LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	8	22	rVB	910804	1259654	13.28%	1.509%
2	5.081	500	509	517	rBV	426364	533065	5.62%	0.639%
3	5.487	574	578	590	rBV	2460192	2489521	26.25%	2.982%
4	6.451	738	742	746	rBV	656913	610067	6.43%	0.731%
5	6.504	746	751	762	rBV	2052429	2217090	23.38%	2.656%
6	6.610	766	769	770	rBV	180387	125908	1.33%	0.151%
7	6.639	770	774	777	rVB	3603712	3349811	35.32%	4.013%
8	6.869	809	813	816	rBV	809191	725400	7.65%	0.869%
9	6.933	820	824	827	rBV	2480345	2394141	25.25%	2.868%
10	7.028	835	840	843	rBV	3152576	2726079	28.75%	3.266%
11	7.275	875	882	887	rBV	132712	149625	1.58%	0.179%
12	7.410	901	905	906	rBV	294089	300263	3.17%	0.360%
13	7.433	906	909	912	rVB	2106780	1987161	20.95%	2.381%
14	7.580	920	934	936	rBV	323559	748455	7.89%	0.897%
15	8.151	1028	1031	1034	rBV	1071463	858692	9.05%	1.029%
16	8.433	1076	1079	1083	rBV	142177	122132	1.29%	0.146%
17	8.486	1083	1088	1091	rBV	1748621	1697601	17.90%	2.034%
18	9.233	1210	1215	1218	rBV	5010385	4194074	44.22%	5.024%
19	9.574	1269	1273	1277	rBV	2463628	2221417	23.42%	2.661%
20	9.622	1279	1281	1285	rBV	143162	133978	1.41%	0.160%
21	9.727	1294	1299	1302	rVB3	86921	114890	1.21%	0.138%
22	9.916	1327	1331	1334	rVB	1257075	1062000	11.20%	1.272%
23	10.069	1354	1357	1360	rBV3	249404	271080	2.86%	0.325%
24	10.374	1406	1409	1411	rBV	130405	128436	1.35%	0.154%
25	10.557	1436	1440	1443	rBV2	304237	460625	4.86%	0.552%
26	10.645	1452	1455	1458	rBV	177461	169690	1.79%	0.203%
27	10.710	1462	1466	1469	rVV	2809226	2500713	26.37%	2.996%
28	10.833	1482	1487	1492	rBV3	777146	1256691	13.25%	1.505%
29	11.010	1514	1517	1522	rBV2	424924	734990	7.75%	0.880%
30	11.074	1526	1528	1531	rBV	194676	154015	1.62%	0.185%
31	11.104	1531	1533	1537	rBV	221658	243547	2.57%	0.292%
32	11.145	1537	1540	1543	rBV	326438	332646	3.51%	0.398%
33	11.310	1559	1568	1573	rBV2	2072103	3245944	34.23%	3.888%
34	11.410	1582	1585	1588	rBV	1097906	1005188	10.60%	1.204%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.451	1589	1592	1597	rVV2	668620	1045054	11.02%	1.252%
36	11.516	1601	1603	1606	rBV	404955	413077	4.36%	0.495%
37	11.545	1606	1608	1611	rBV	240736	268721	2.83%	0.322%
38	11.580	1612	1614	1617	rBV2	511529	588572	6.21%	0.705%
39	11.633	1621	1623	1624	rBV	312868	232283	2.45%	0.278%
40	11.716	1634	1637	1638	rBV	521702	474145	5.00%	0.568%
41	11.868	1660	1663	1669	rBV2	1490405	2508588	26.45%	3.005%
42	11.910	1669	1670	1672	rVB	526735	276564	2.92%	0.331%
43	11.939	1672	1675	1678	rBV	1471691	1563791	16.49%	1.873%
44	11.968	1678	1680	1683	rBV2	738969	606796	6.40%	0.727%
45	12.004	1683	1686	1689	rBV2	1355735	1754504	18.50%	2.102%
46	12.121	1703	1706	1708	rBV	1620414	1774892	18.72%	2.126%
47	12.274	1729	1732	1734	rBV	1748178	2147773	22.65%	2.573%
48	12.404	1751	1754	1758	rBV	1654363	2063696	21.76%	2.472%
49	12.515	1770	1773	1776	rBV	1849106	2156527	22.74%	2.583%
50	12.663	1795	1798	1800	rBV2	1855752	2301260	24.27%	2.757%
51	12.698	1800	1804	1807	rVB2	6428238	8161632	86.06%	9.777%
52	12.733	1808	1810	1813	rBV2	1284005	1563335	16.48%	1.873%
53	12.892	1835	1837	1840	rBV	1447044	1611853	17.00%	1.931%
54	13.021	1854	1859	1867	rBV2	4288867	9483553	100.00%	11.361%
55	15.592	2293	2296	2303	rVB	1462205	1954366	20.61%	2.341%

Sum of corrected areas: 83475571

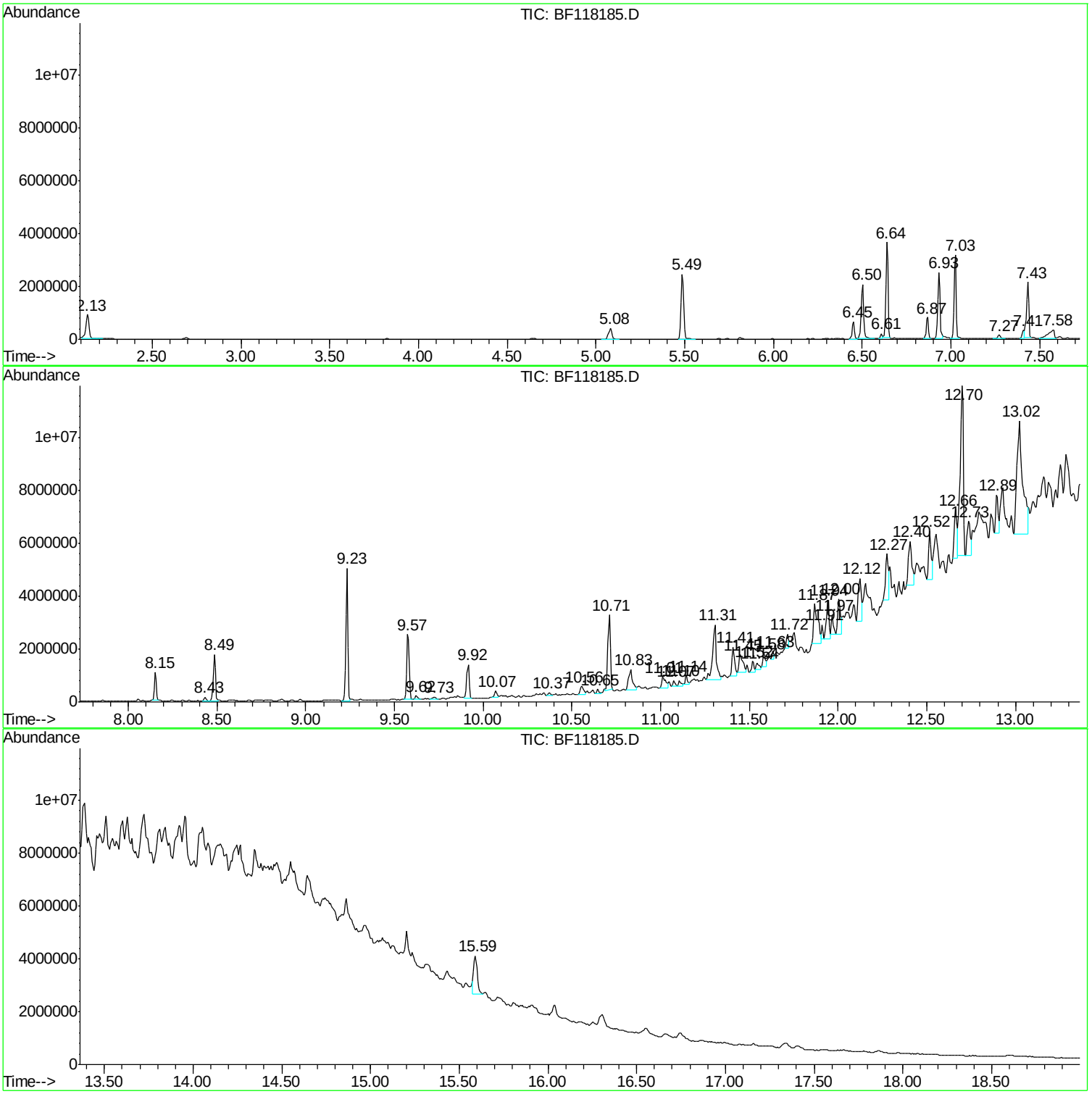
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

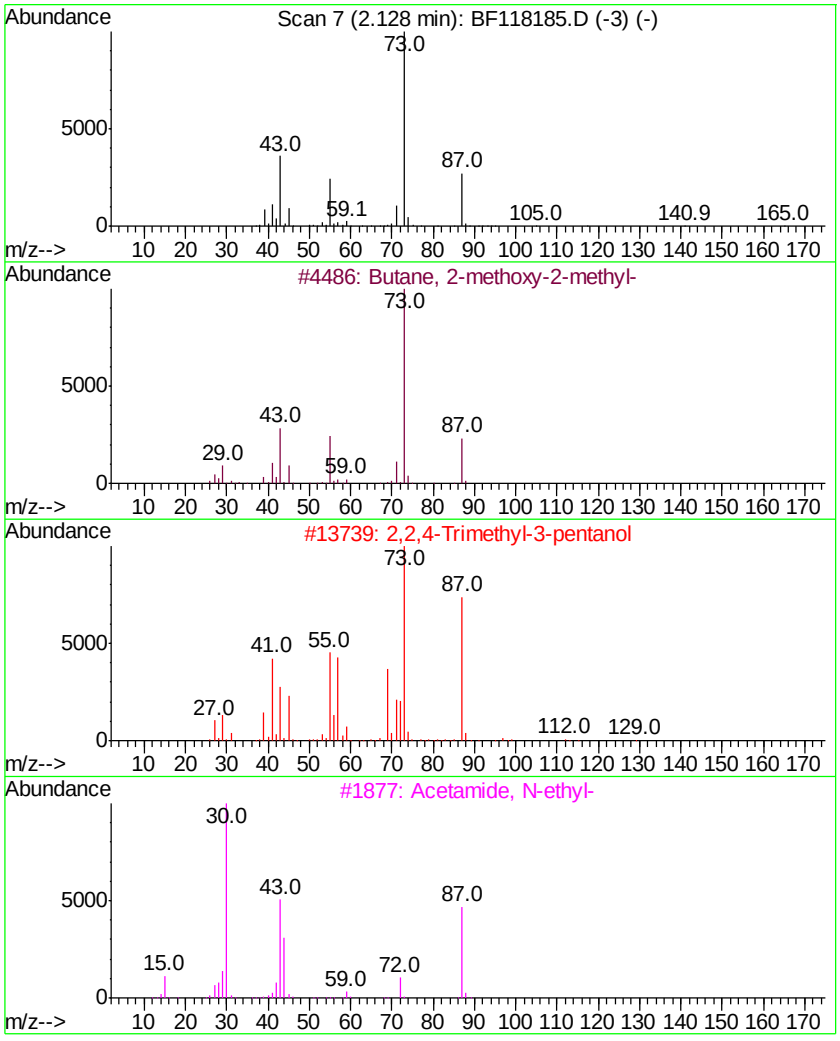
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

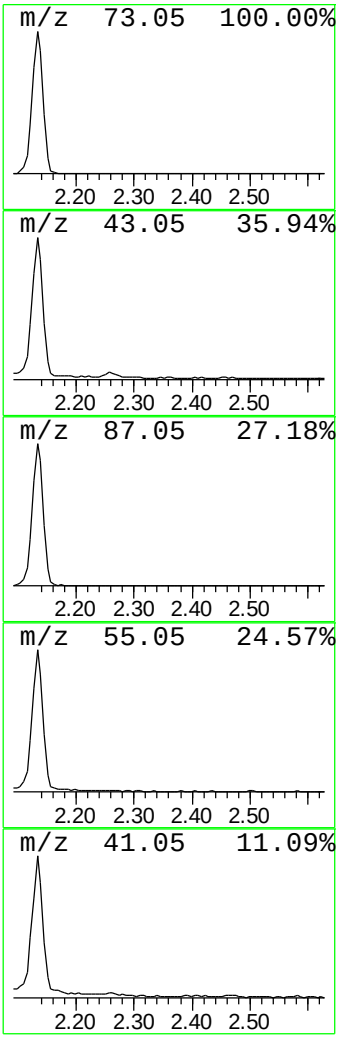
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	34.73 ng	1259650	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

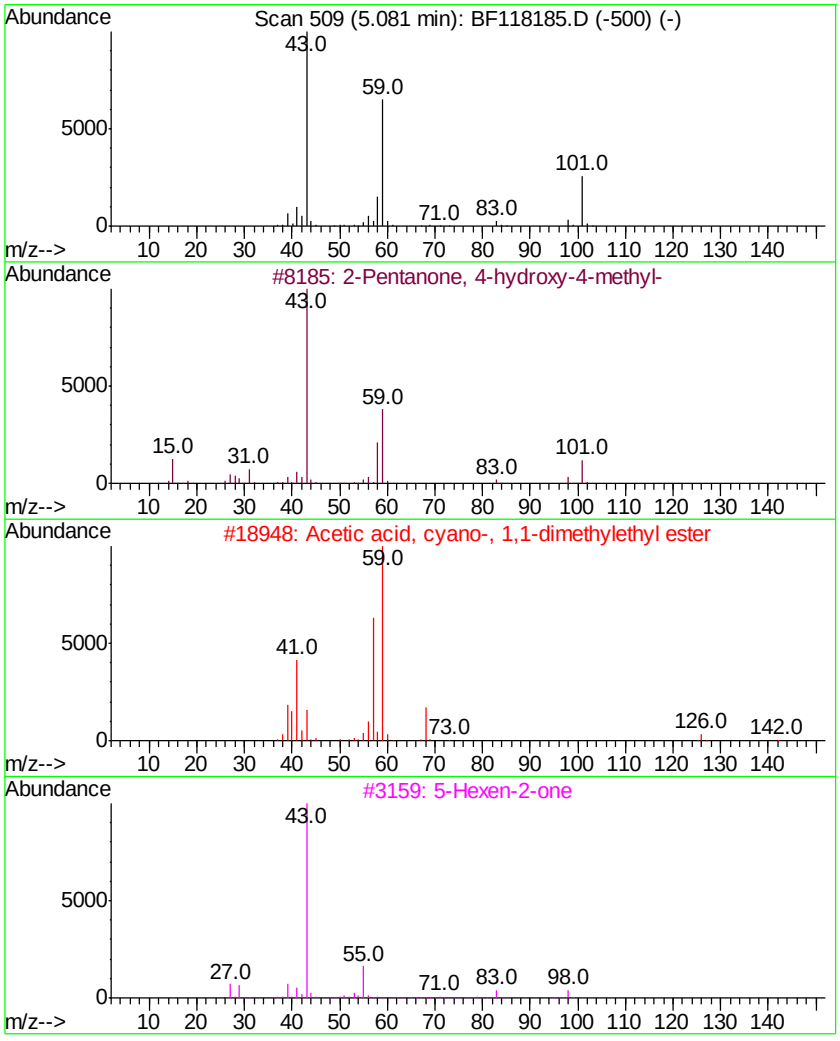
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

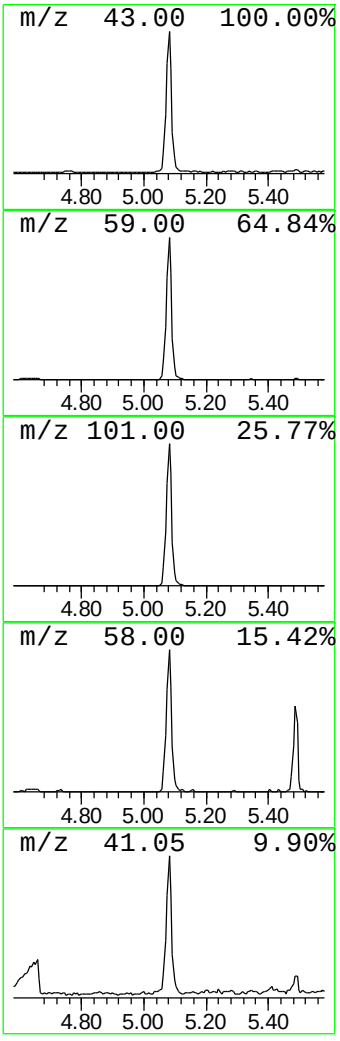
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	14.70 ng	533065	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

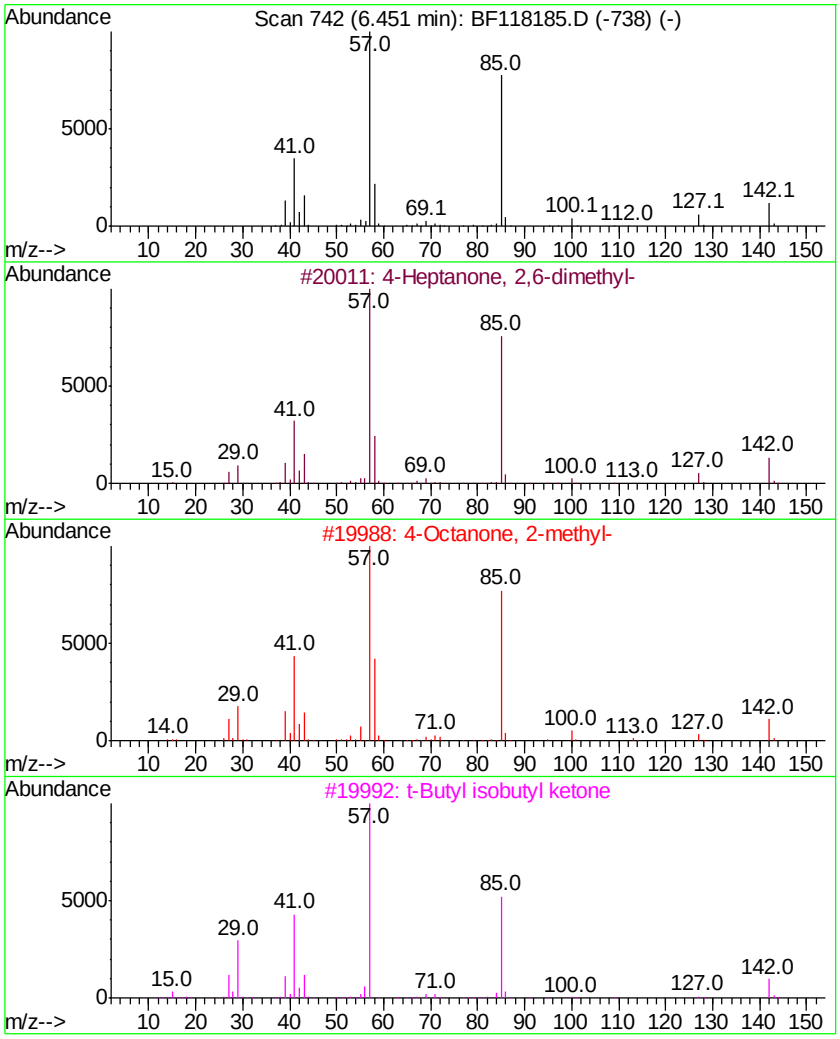
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

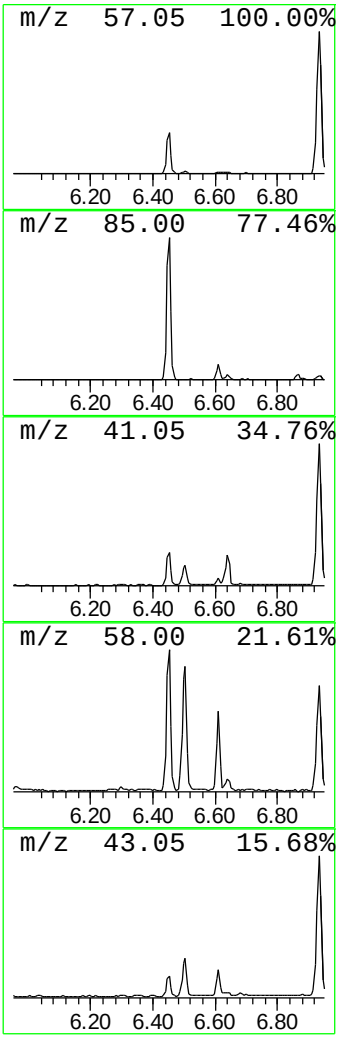
****

Peak Number 3 4-Heptanone, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	16.82 ng	610067	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	94
2	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	64
3	t-Butyl isobutyl ketone	142	C9H18O	014705-50-1	64
4	5-Nonanone	142	C9H18O	000502-56-7	59
5	2,4-Hexanedione, 5,5-dimethyl-	142	C8H14O2	007307-04-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

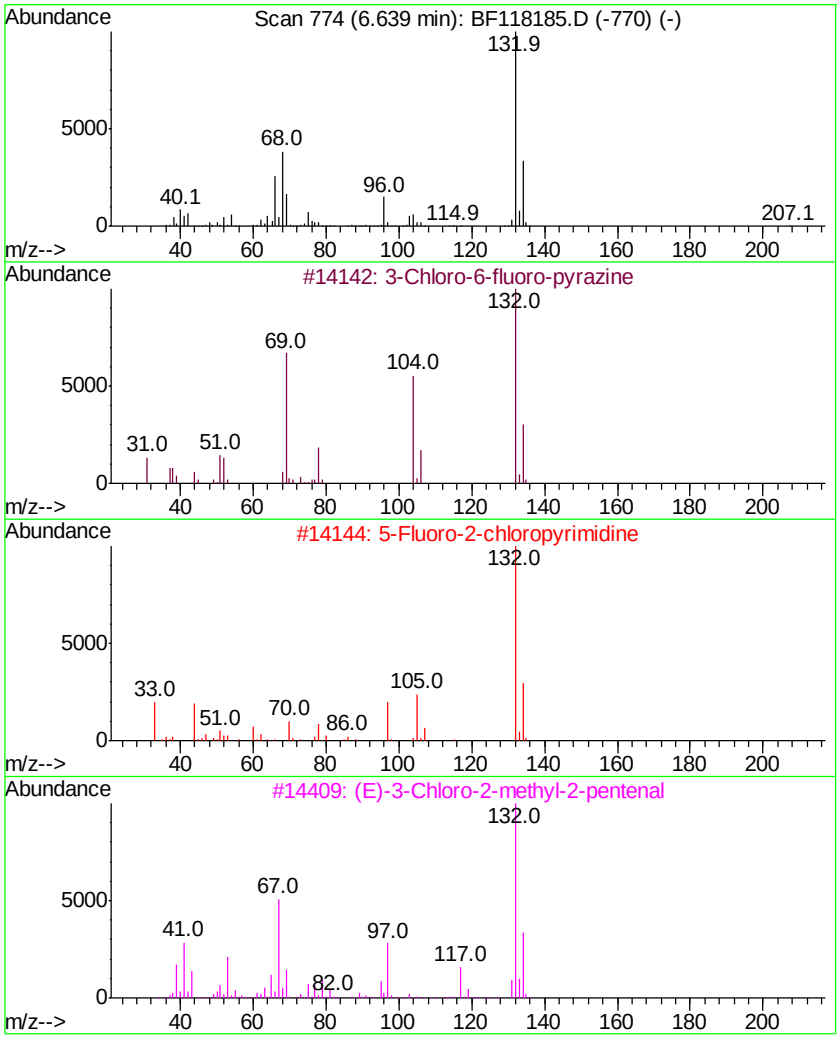
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

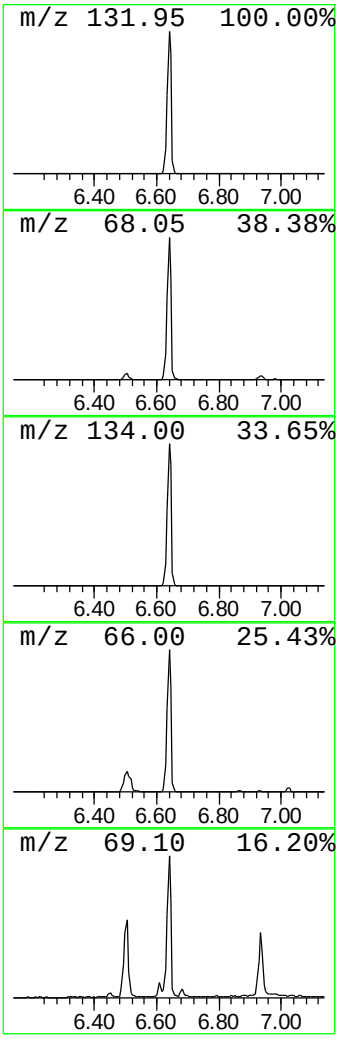
****

Peak Number 4 unknown6.64 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	92.36 ng	3349810	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

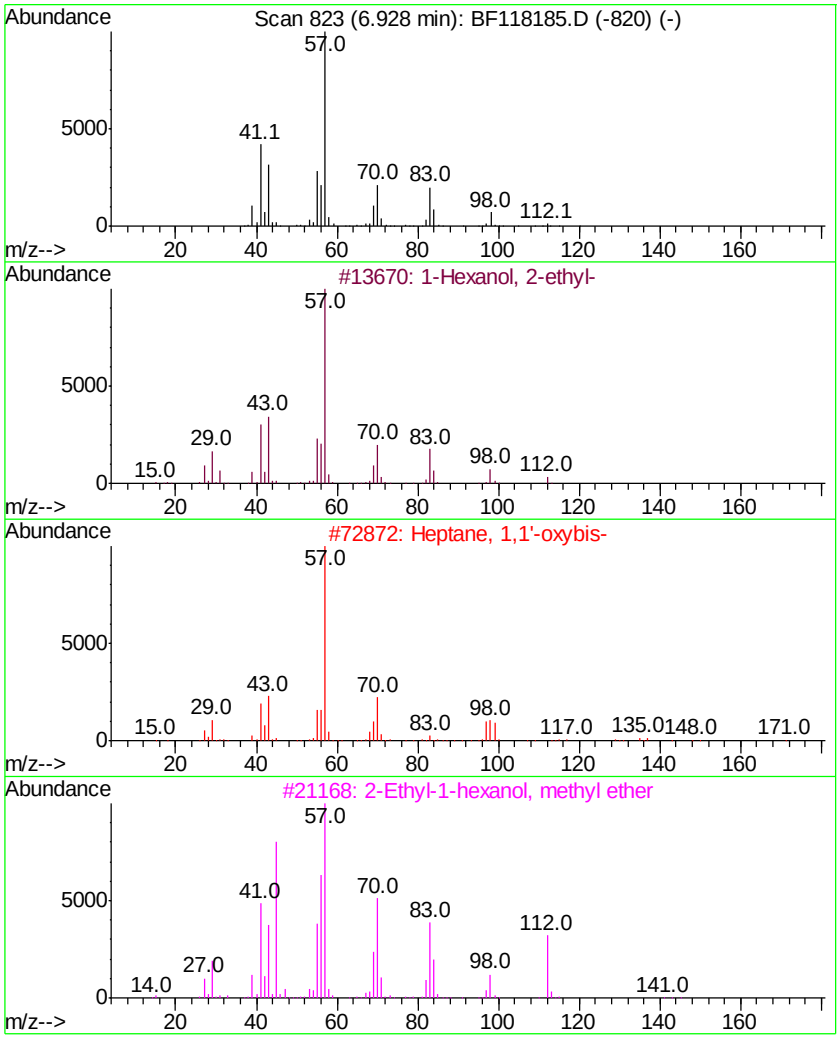
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

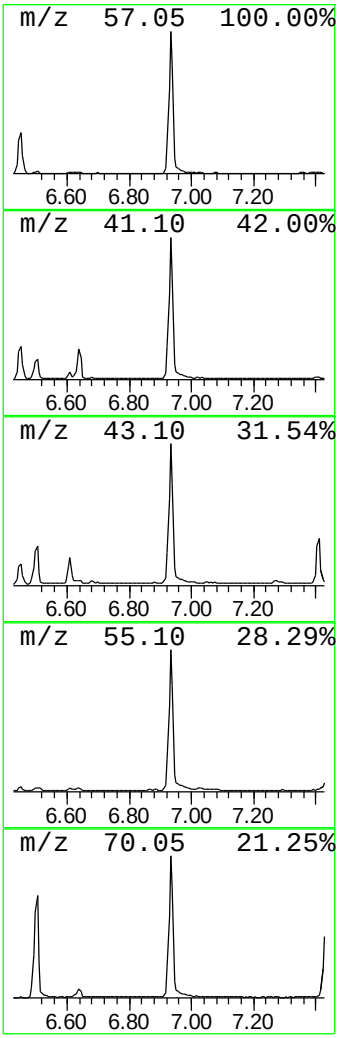
****

Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	66.01 ng	2394140	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50
3	2-Ethyl-1-hexanol, methyl ether	144	C9H20O	1000365-10-2	50
4	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50
5	2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

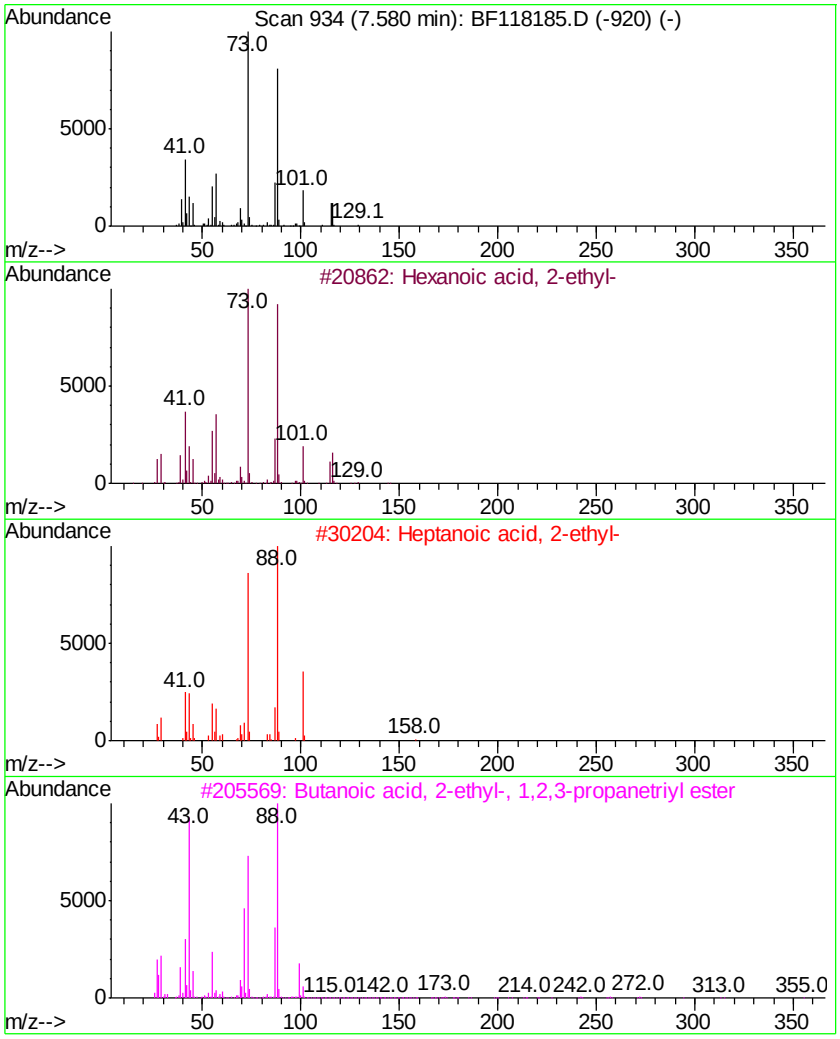
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

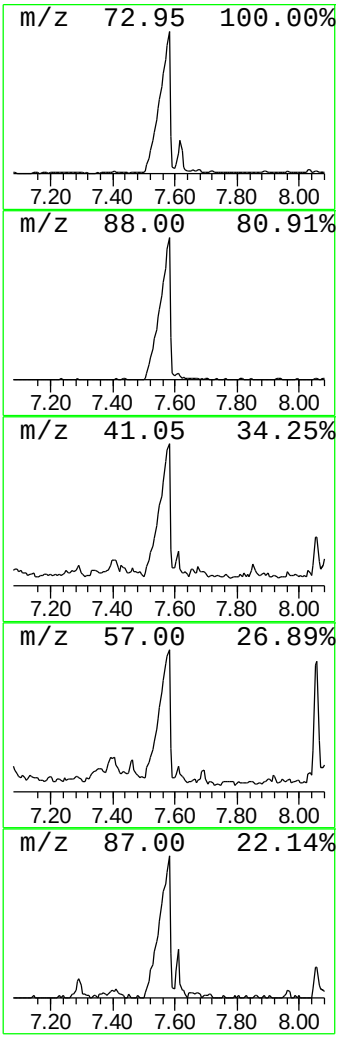
****

Peak Number 7 Hexanoic acid, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	17.43 ng	748455	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	59
3	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	59
4	Octanoic acid, 2-methyl-, methyl...	172	C10H20O2	002177-86-8	40
5	Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

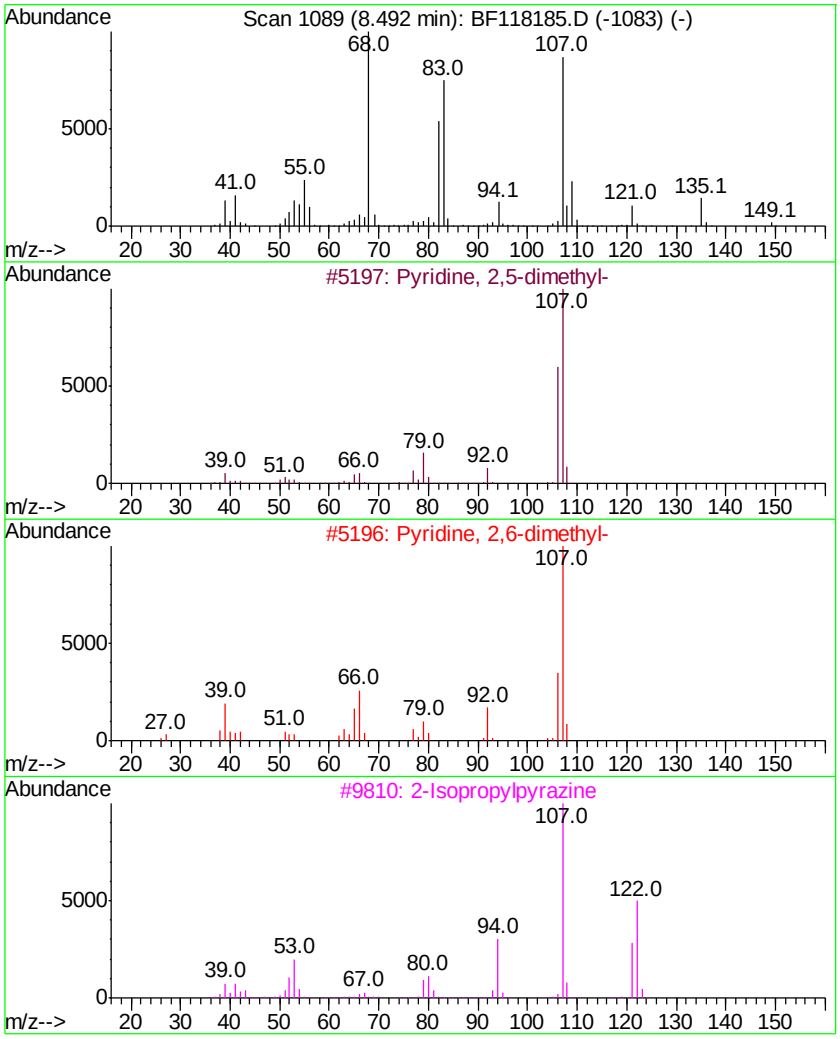
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

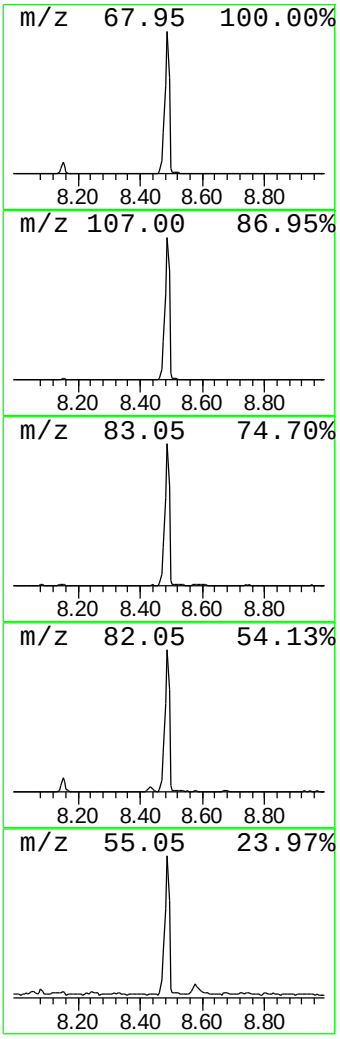
****

Peak Number 8 Pyridine, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	39.54 ng	1697600	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	18
2	Pyridine, 2,6-dimethyl-	107	C7H9N	000108-48-5	18
3	2-Isopropylpyrazine	122	C7H10N2	029460-90-0	10
4	3-Bromobutyronitrile	147	C4H6BrN	020965-20-2	10
5	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

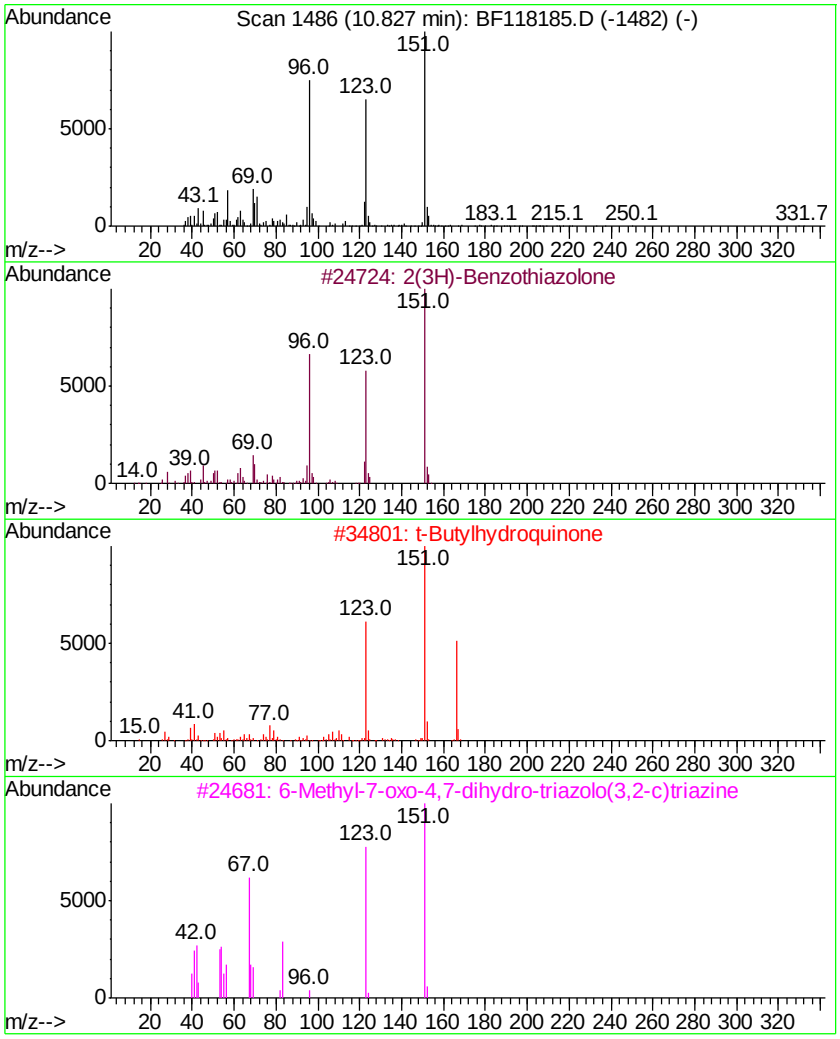
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

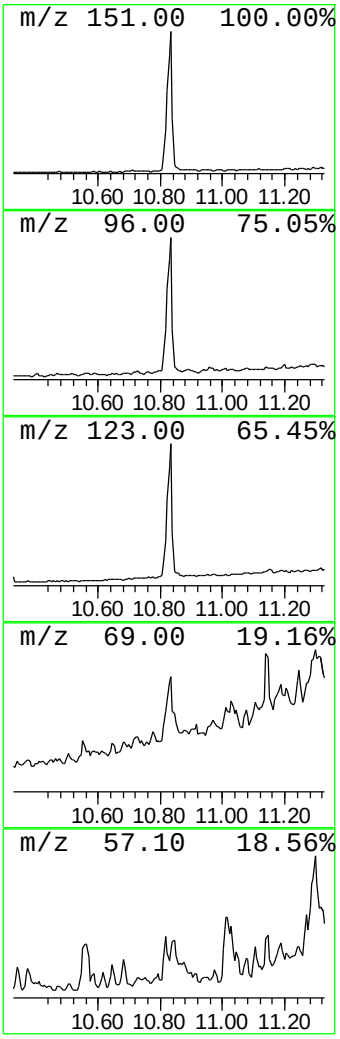
****

Peak Number 9 2(3H)-Benzothiazolone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	25.00 ng	1256690	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Benzothiazolone	151	C7H5NOS	000934-34-9	94
2	t-Butylhydroquinone	166	C10H14O2	001948-33-0	43
3	6-Methyl-7-oxo-4,7-dihydro-triaz...	151	C5H5N5O	057250-39-2	38
4	1,2-Benzisothiazol-3(2H)-one	151	C7H5NOS	002634-33-5	35
5	2H-Pyran-2-carboxylic acid, 5-et...	196	C10H12O4	019776-81-9	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

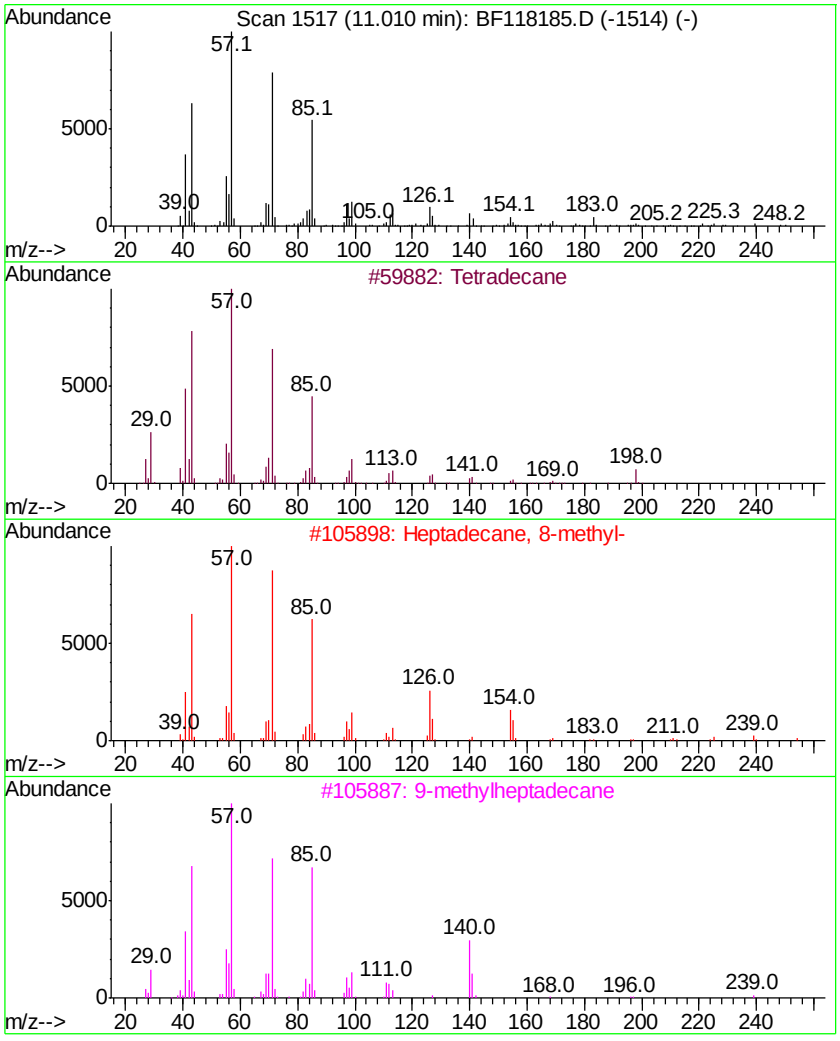
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

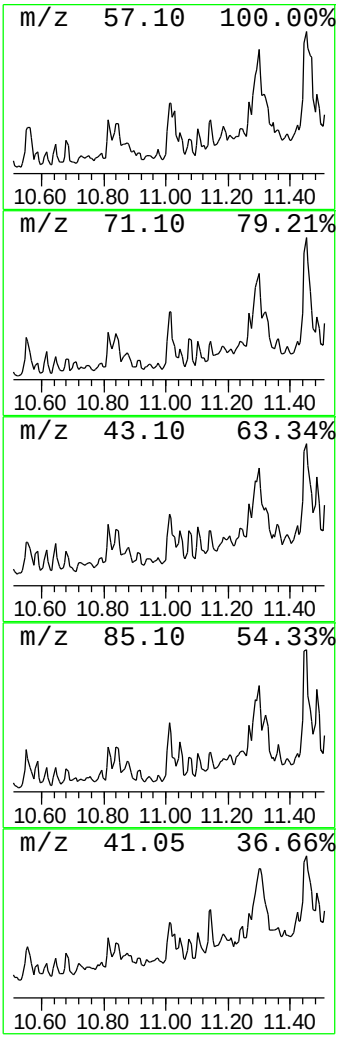
****

Peak Number 10 Tetradecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	14.62 ng	734990	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	87
3	9-methylheptadecane	254	C18H38	026741-18-4	83
4	Decane, 3-methyl-	156	C11H24	013151-34-3	72
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

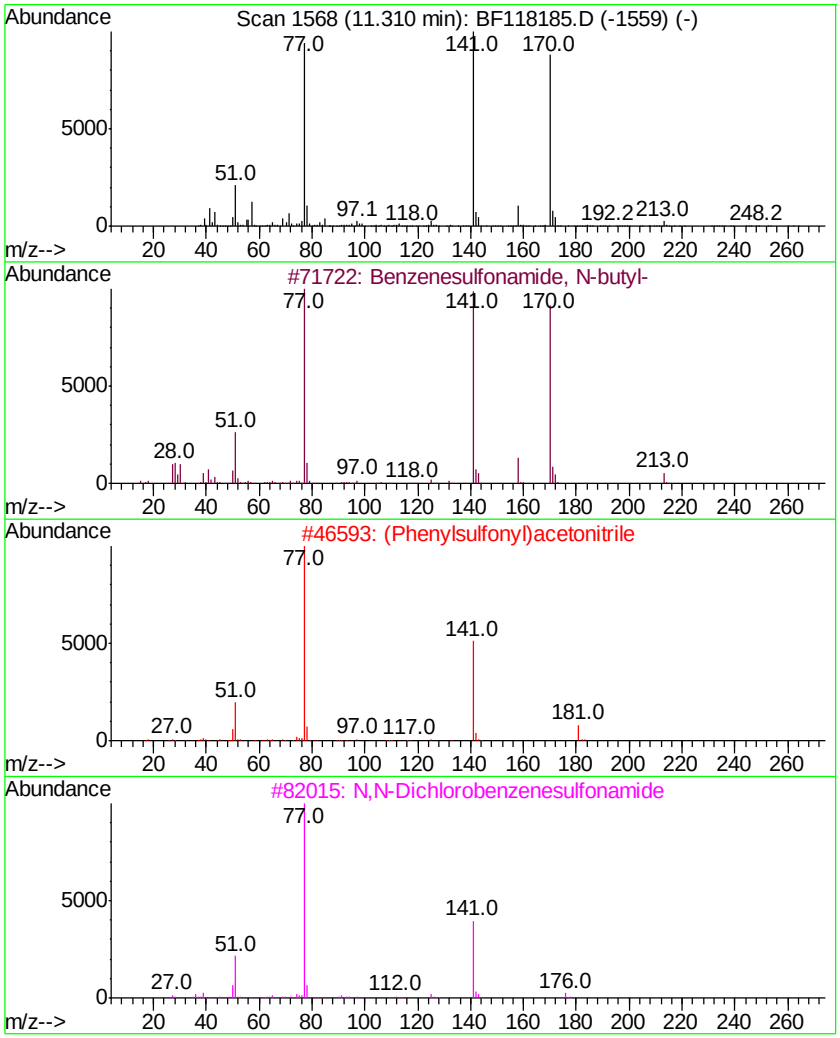
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

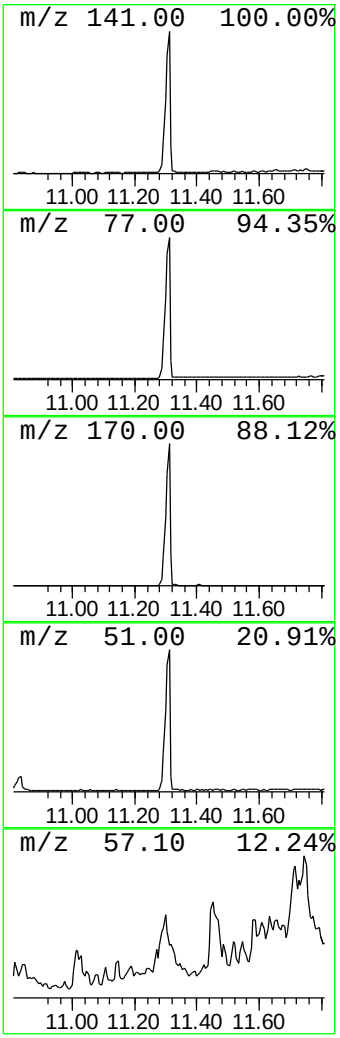
****

Peak Number 11 Benzenesulfonamide, N-butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	64.58 ng	3245940	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, N-butyl-	213	C10H15NO2S	003622-84-2	94
2	(Phenylsulfonyl)acetonitrile	181	C8H7NO2S	007605-28-9	37
3	N,N-Dichlorobenzenesulfonamide	225	C6H5Cl2NO2S	000473-29-0	16
4	l-Norleucine, N-allyloxycarbonyl...	425	C25H47NO4	1000329-56-4	14
5	4-Cyanoquinoline 1-oxide	170	C10H6N2O	021236-85-1	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

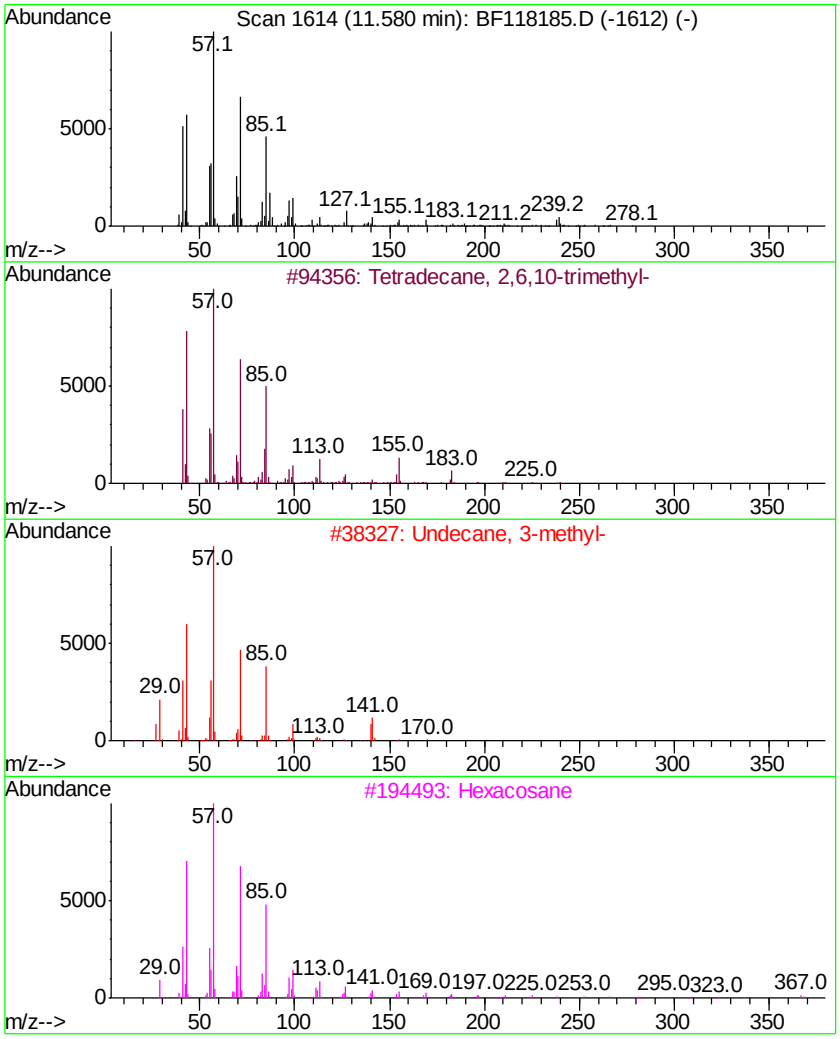
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

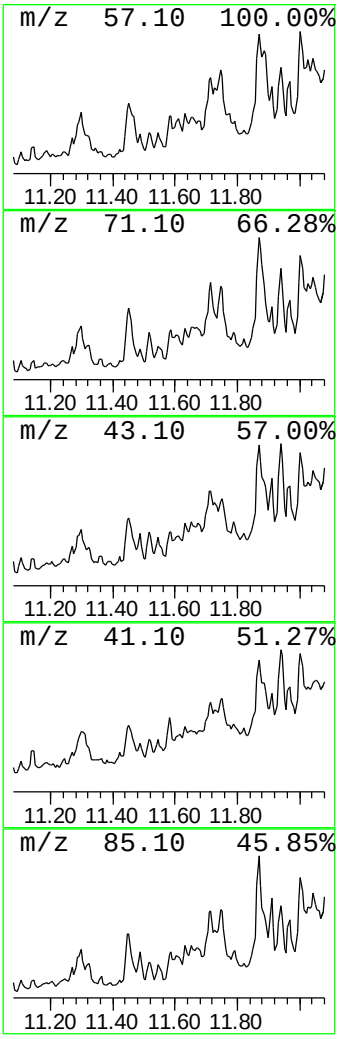
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Tetradecane, 2,6,10-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	11.71 ng	588572	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	87
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	72
3	Hexacosane	366	C26H54	000630-01-3	72
4	Tetratetracontane	619	C44H90	007098-22-8	72
5	2-methyloctacosane	408	C29H60	1000376-72-8	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

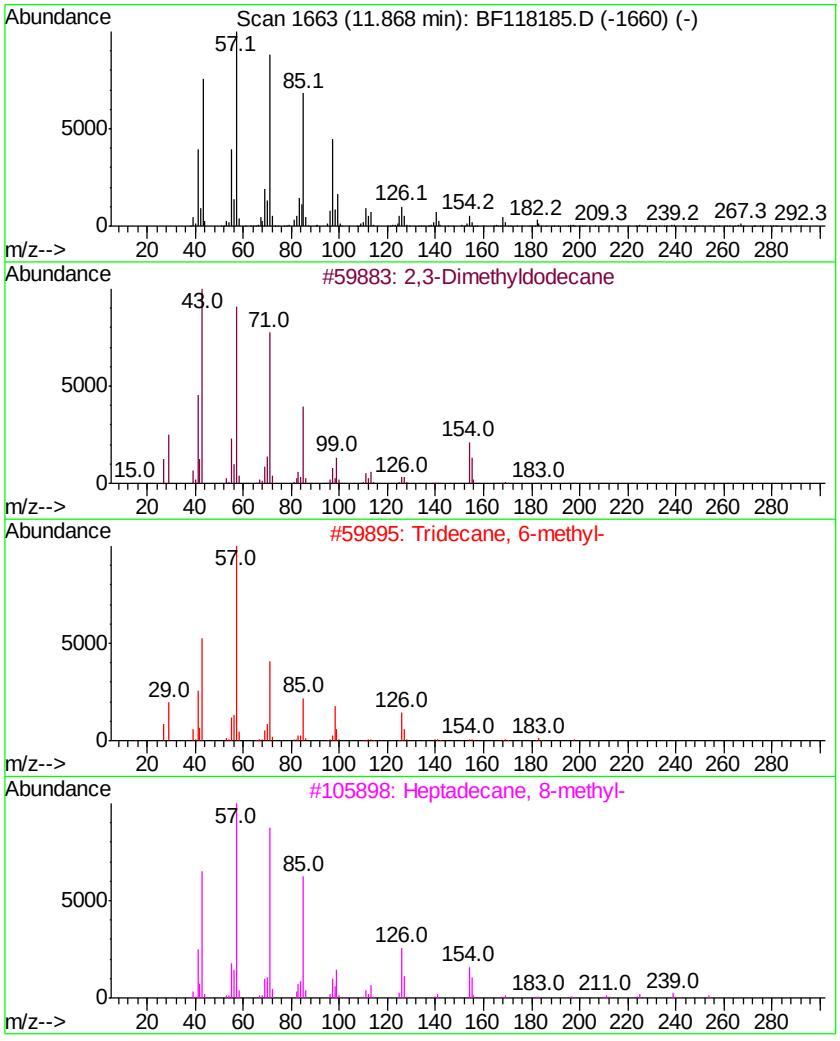
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

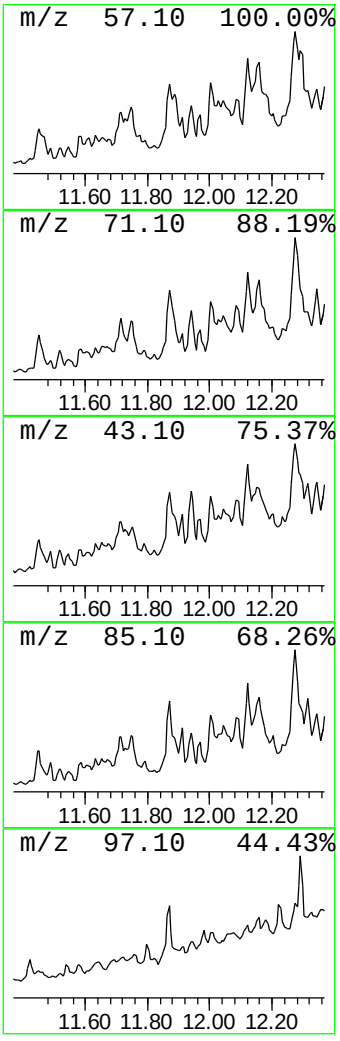
****

Peak Number 13 2,3-Dimethyldodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	49.91 ng	2508590	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyldodecane	198	C14H30	006117-98-2	76
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	76
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	76
4	Tridecane, 4-methyl-	198	C14H30	026730-12-1	64
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

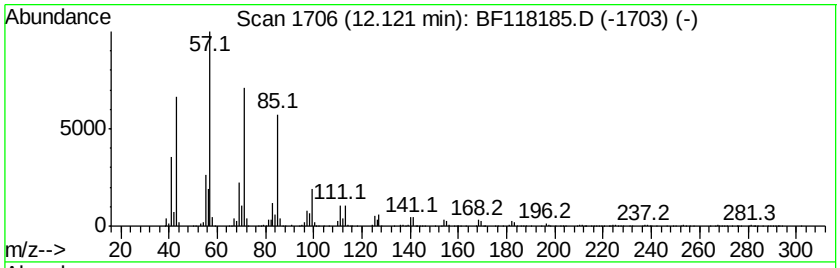
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

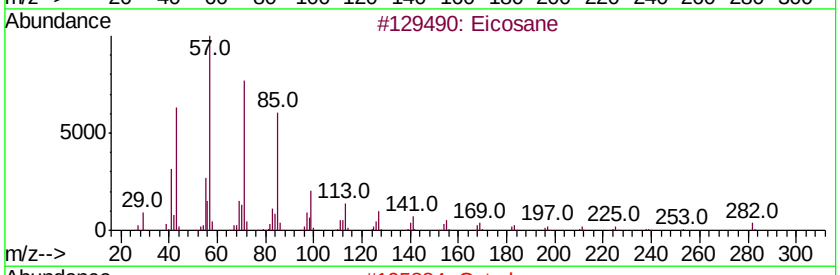
****

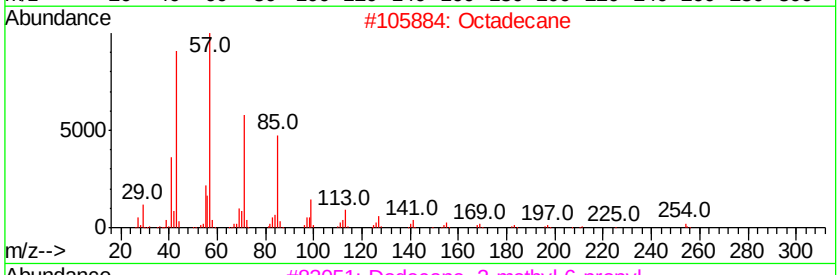
Peak Number 14 Dodecane, 2-methyl-6-propyl- Concentration Rank 12

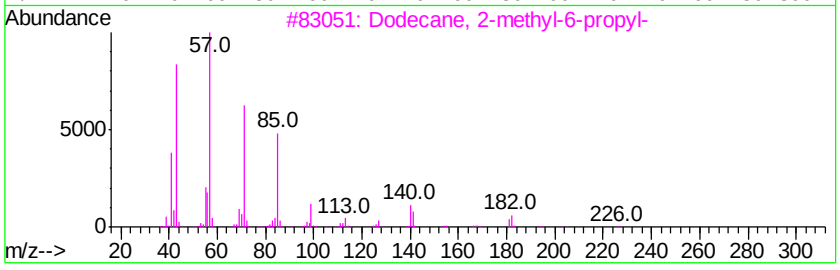
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	35.31 ng	1774890	Phenanthrene-d10	11.41

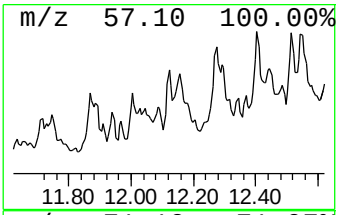
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Octadecane	254	C18H38	000593-45-3	87
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	83
4	Heptadecane	240	C17H36	000629-78-7	83
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	68

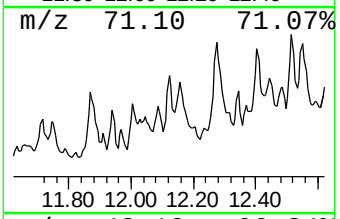


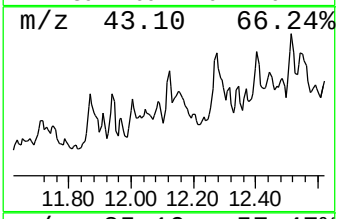


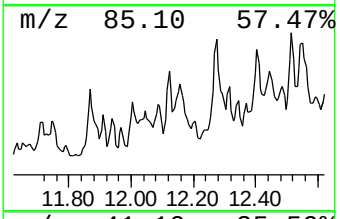


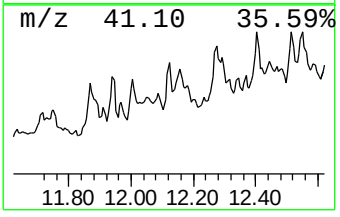












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

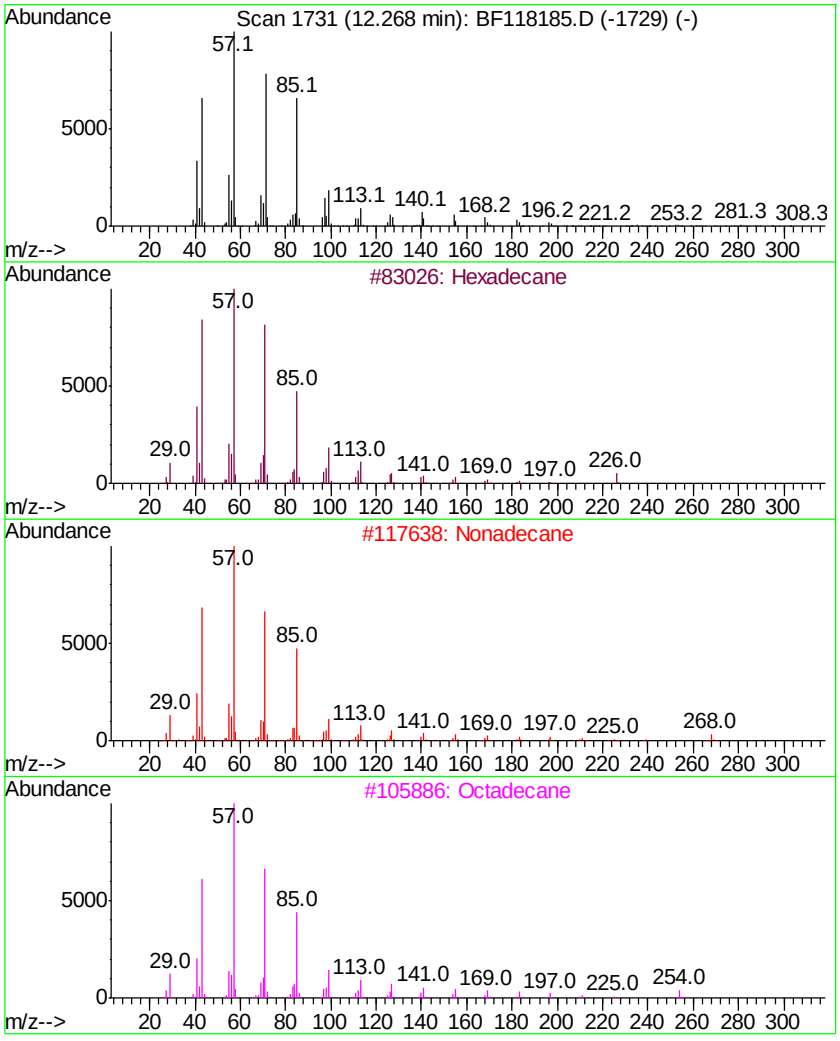
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

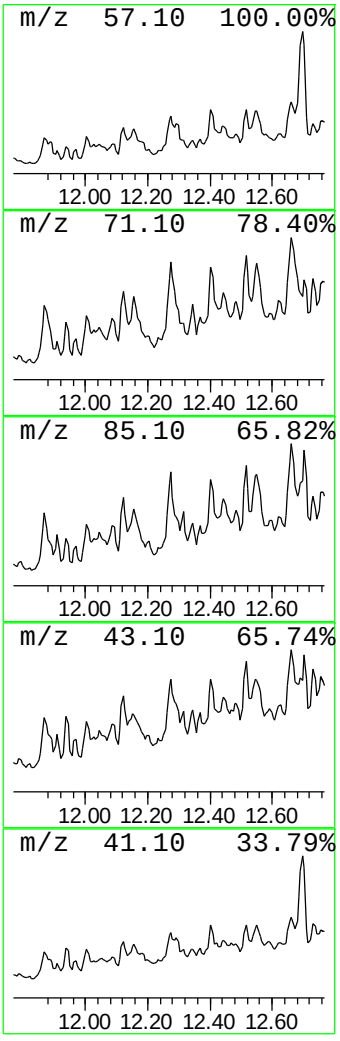
****

Peak Number 15 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	42.73 ng	2147770	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Nonadecane	268	C19H40	000629-92-5	83
3	Octadecane	254	C18H38	000593-45-3	80
4	Heptacosane	380	C27H56	000593-49-7	72
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

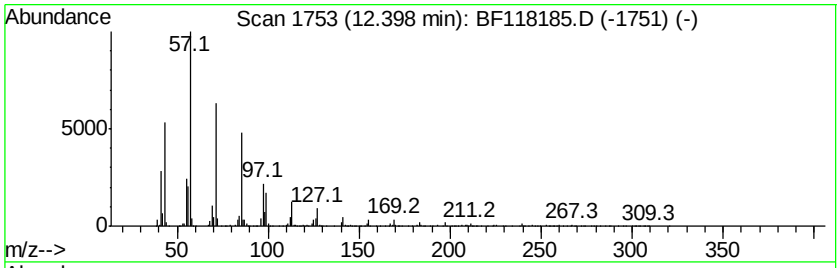
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

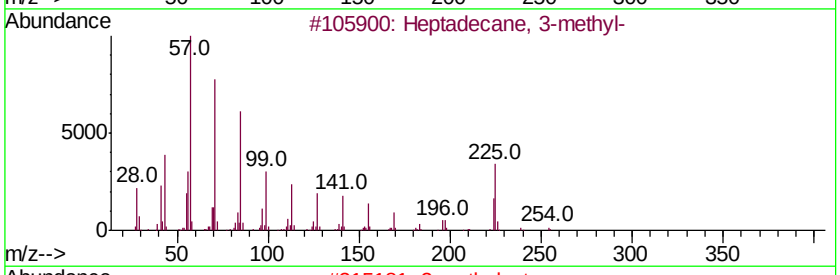
****

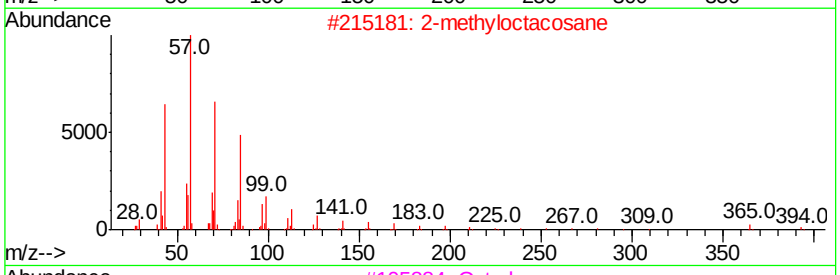
Peak Number 16 Heptadecane, 3-methyl- Concentration Rank 10

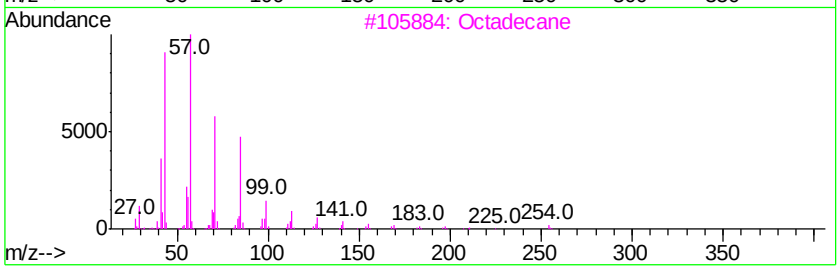
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	41.06 ng	2063700	Phenanthrene-d10	11.41

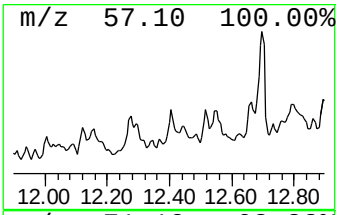
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Octadecane	254	C18H38	000593-45-3	91
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	87

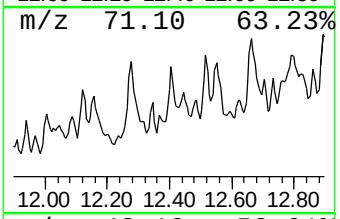


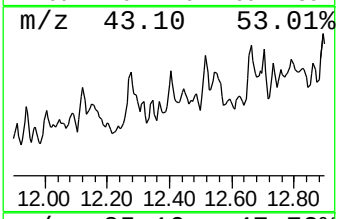


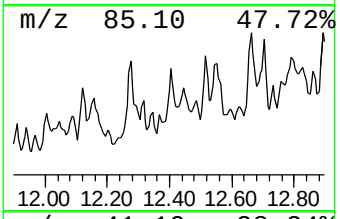


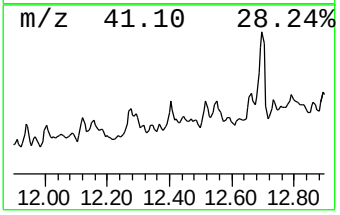












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

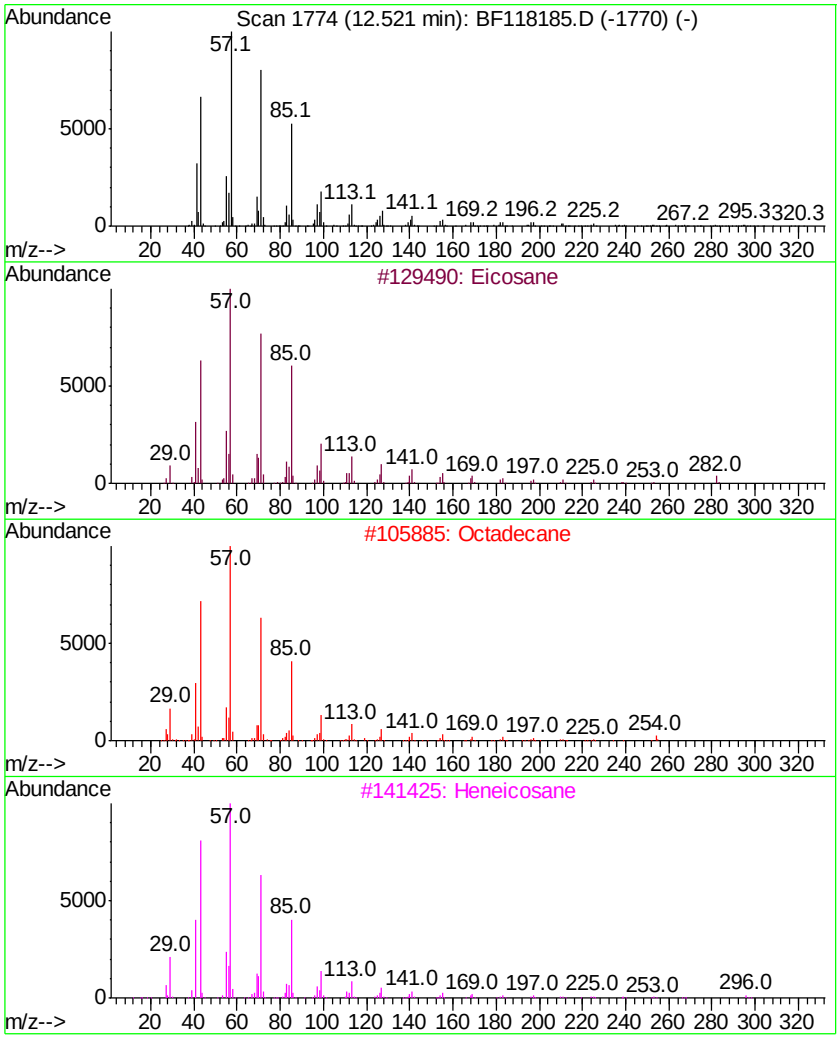
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

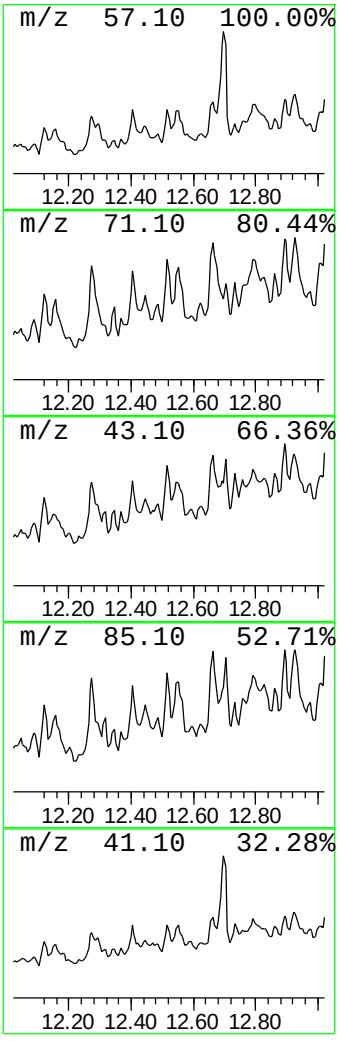
****

Peak Number 17 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	42.91 ng	2156530	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Octadecane	254	C18H38	000593-45-3	91
3	Heneicosane	296	C21H44	000629-94-7	87
4	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	87
5	Hexadecane	226	C16H34	000544-76-3	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

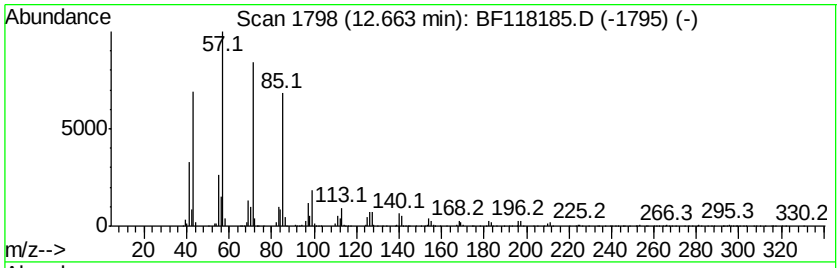
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

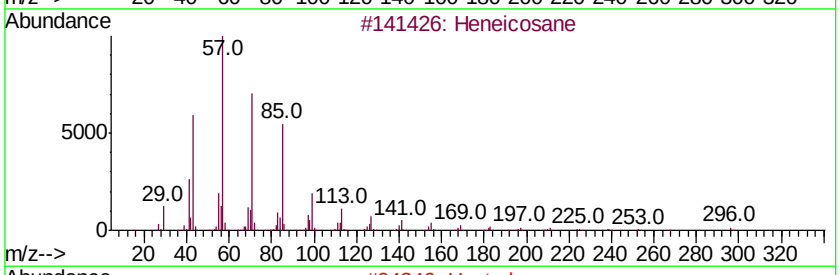
****

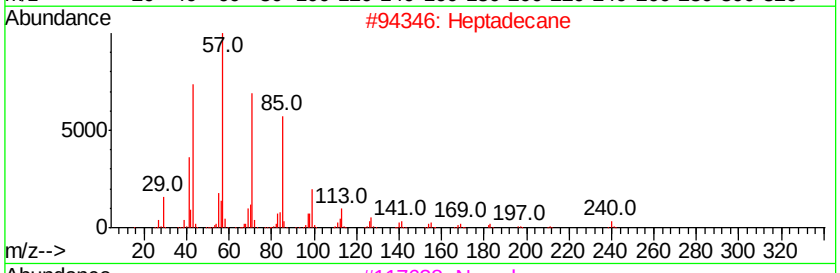
Peak Number 18 Heneicosane Concentration Rank 7

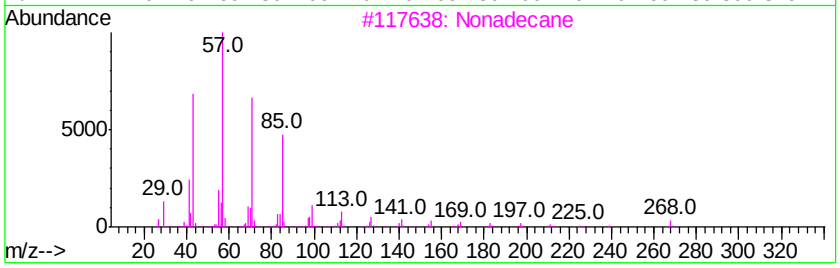
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	45.79 ng	2301260	Phenanthrene-d10	11.41

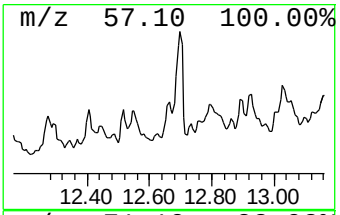
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Nonadecane	268	C19H40	000629-92-5	87
4	Hexadecane	226	C16H34	000544-76-3	87
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86

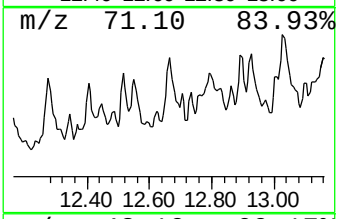


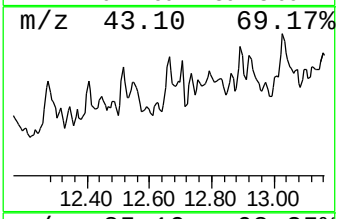


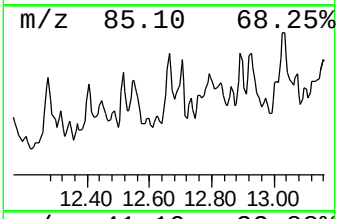


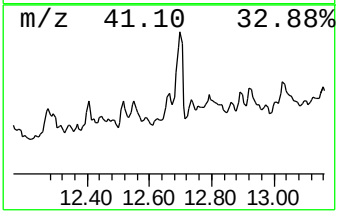












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

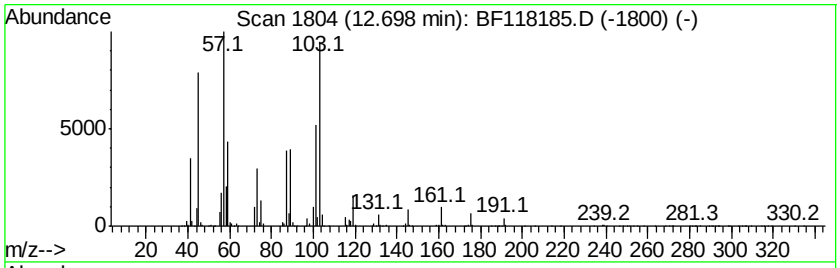
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

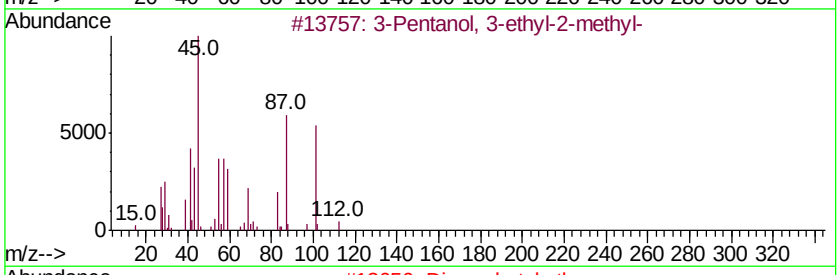
****

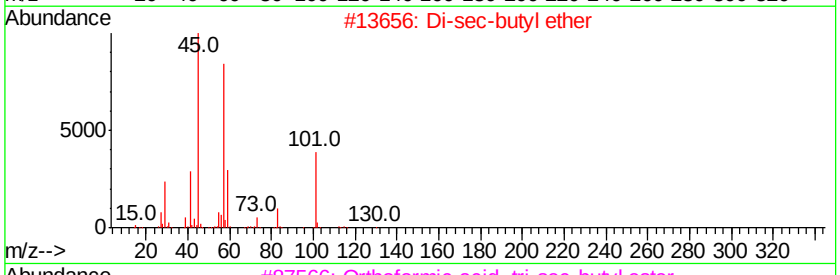
Peak Number 19 unknown12.70 Concentration Rank 1

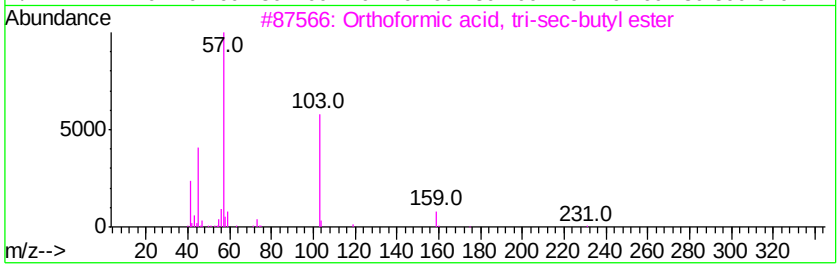
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	162.39 ng	8161630	Phenanthrene-d10	11.41

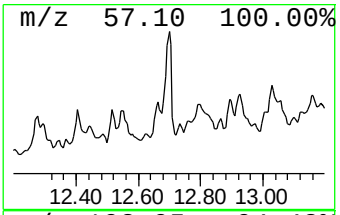
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-ethyl-2-methyl-	130	C8H18O	000597-05-7	38
2	Di-sec-butyl ether	130	C8H18O	006863-58-7	35
3	Orthoformic acid, tri-sec-butyl ...	232	C13H28O3	016754-48-6	35
4	Diethyl carbitol	162	C8H18O3	000112-36-7	27
5	2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	27

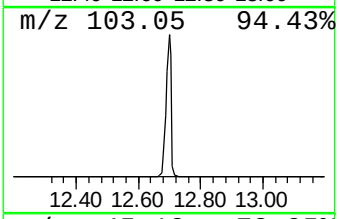


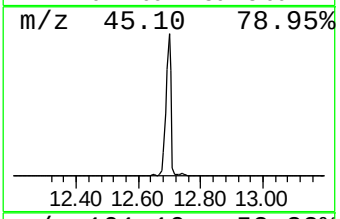


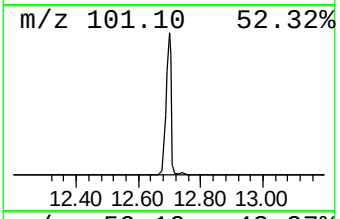


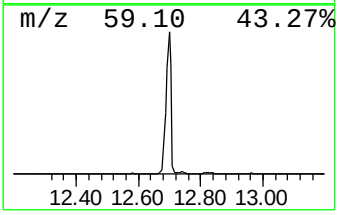












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

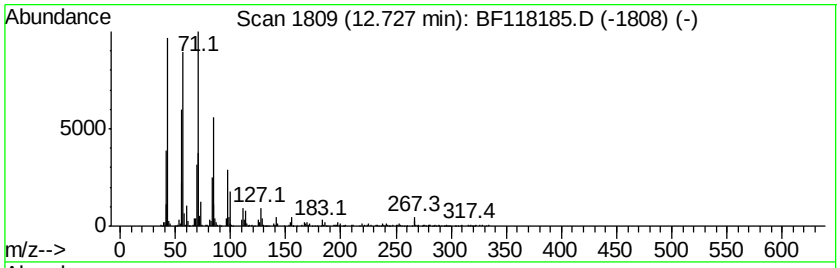
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

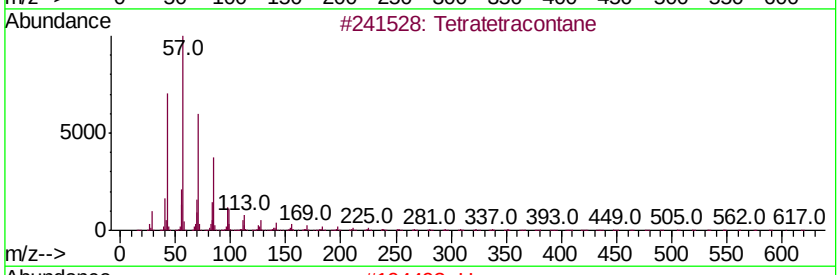
****

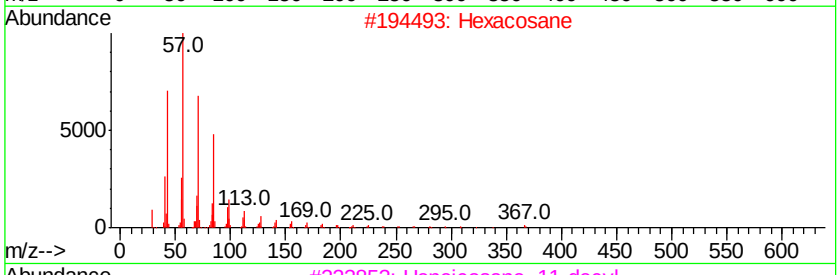
Peak Number 20 Tetratetracontane Concentration Rank 14

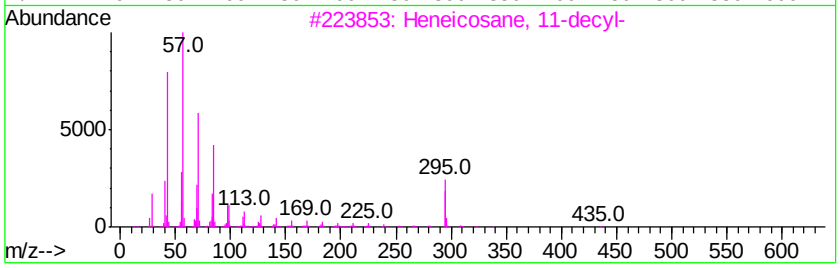
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	31.11 ng	1563340	Phenanthrene-d10	11.41

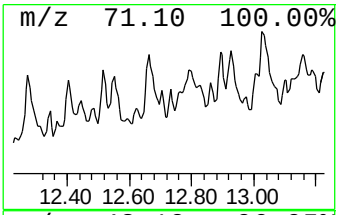
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	58
2	Hexacosane	366	C26H54	000630-01-3	52
3	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	52
4	Hexadecane	226	C16H34	000544-76-3	49
5	Eicosane	282	C20H42	000112-95-8	49

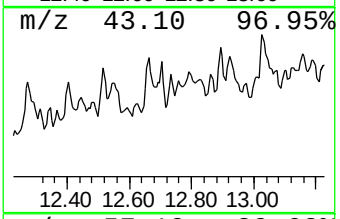


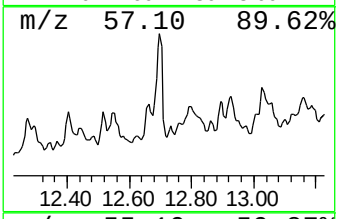


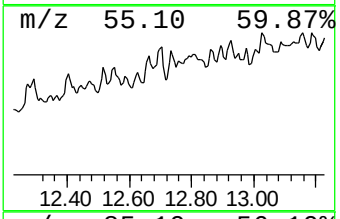


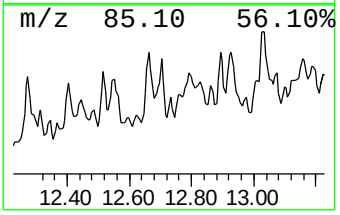












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121319\
Data File : BF118185.D
Acq On : 13 Dec 2019 14:47
Operator : JU
Sample : K5664-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 02-03-08-09-10-11-12-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.13	34.7	ng	1259650	1	6.87	725400	20.0
2-Pentanone, 4-hy...	5.08	14.7	ng	533065	1	6.87	725400	20.0
4-Heptanone, 2,6-...	6.45	16.8	ng	610067	1	6.87	725400	20.0
unknown6.64	6.64	92.4	ng	3349810	1	6.87	725400	20.0
1-Hexanol, 2-ethyl-	6.93	66.0	ng	2394140	1	6.87	725400	20.0
Hexanoic acid, 2-...	7.58	17.4	ng	748455	2	8.15	858692	20.0
Pyridine, 2,5-dim...	8.49	39.5	ng	1697600	2	8.15	858692	20.0
2(3H)-Benzothiazo...	10.83	25.0	ng	1256690	4	11.41	1005190	20.0
Tetradecane	11.01	14.6	ng	734990	4	11.41	1005190	20.0
Benzenesulfonamid...	11.31	64.6	ng	3245940	4	11.41	1005190	20.0
Tetradecane, 2,6,...	11.58	11.7	ng	588572	4	11.41	1005190	20.0
2,3-Dimethyldodecane	11.87	49.9	ng	2508590	4	11.41	1005190	20.0
Dodecane, 2-methy...	12.12	35.3	ng	1774890	4	11.41	1005190	20.0
Hexadecane	12.27	42.7	ng	2147770	4	11.41	1005190	20.0
Heptadecane, 3-me...	12.40	41.1	ng	2063700	4	11.41	1005190	20.0
Eicosane	12.52	42.9	ng	2156530	4	11.41	1005190	20.0
Heneicosane	12.66	45.8	ng	2301260	4	11.41	1005190	20.0
unknown12.70	12.70	162.4	ng	8161630	4	11.41	1005190	20.0
Tetratetracontane	12.73	31.1	ng	1563340	4	11.41	1005190	20.0