LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

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-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126112.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.152	3	11	25	rVB	1798154	2316369	62.22%	5.117%
2	5.075	504	508	513	rVB2	42667	50390	1.35%	0.111%
3	5.475	567	576	579	rBV	4116263	3722774	100.00%	8.224%
4	5.887	638	646	650	rBV3	50393	85614	2.30%	0.189%
5	6.016	665	668	672	rVB3	78437	87319	2.35%	0.193%
6	6.110	681	684	690	rVV2	120083	151833	4.08%	0.335%
7	6.163	690	693	696	rVB	100907	79532	2.14%	0.176%
8	6.298	711	716	720	rBV3	89932	105241	2.83%	0.232%
9	6.393	728	732	738	rBV4	163547	238365	6.40%	0.527%
10	6.481	742	747	750	rVV	3666447	3682262	98.91%	8.135%
11	6.528	753	755	758	rVV2	83487	86465	2.32%	0.191%
12	6.598	762	767	772	rVV7	75943	182687	4.91%	0.404%
13	6.640	772	774	779	rVB3	63926	68944	1.85%	0.152%
14	6.693	779	783	785	rBV2	168274	166626	4.48%	0.368%
15	6.716	785	787	790	rVB2	57283	51058	1.37%	0.113%
16	6.851	807	810	813	rBV	1191491	1029977	27.67%	2.275%
17	6.928	818	823	826	rBV2	101576	171038	4.59%	0.378%
18	6.969	828	830	833	rVB3	66985	61397	1.65%	0.136%
19	7.004	833	836	840	rBV	108913	90186	2.42%	0.199%
20	7.128	852	857	861	rVB5	85822	110188	2.96%	0.243%
21	7.251	872	878	881	rBV5	121894	138654	3.72%	0.306%
22	7.281	881	883	888	rVB4	42059	51849	1.39%	0.115%
23	7.416	896	906	909	rBV	2423736	2433533	65.37%	5.376%
24	7.451	909	912	916	rVB	218502	201131	5.40%	0.444%
25	7.498	916	920	924	rVB5	86005	126854	3.41%	0.280%
26	7.557	924	930	935	rBV7	34294	85366	2.29%	0.189%
27	7.663	946	948	951	rVB	63106	46685	1.25%	0.103%
28	7.781	966	968	971	rVB3	72503	60255	1.62%	0.133%
29	7.887	982	986	991	rVB4	47470	68927	1.85%	0.152%
30	8.039	1008	1012	1016	rBV	256255	247191	6.64%	0.546%
31	8.134	1023	1028	1031	rBV	1280152	1228562	33.00%	2.714%
32	8.157	1031	1032	1035	rVV	134391	76770	2.06%	0.170%
33	8.198	1036	1039	1042	rVB	92337	80828	2.17%	0.179%
34	8.428	1071	1078	1081	rBV4	38039	59782	1.61%	0.132%
35	8.557	1097	1100	1103	rBV	94275	95366	2.56%	0.211%
36	8.728	1126	1129	1133	rBV	96204	74472	2.00%	0.165%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

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-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.157	1200	1202	1206	rVB	135686	112202	3.01%	0.248%
38	9.210	1206	1211	1214	rBV	4642915	3640333	97.79%	8.042%
39	9.292	1221	1225	1231	rBV2	116054	140519	3.77%	0.310%
40	9.357	1232	1236	1241	rVB6	44505	73932	1.99%	0.163%
41	9.616	1275	1280	1282	rBV	168813	155417	4.17%	0.343%
42	9.822	1313	1315	1320	rVB	140249	115375	3.10%	0.255%
43	9.886	1320	1326	1330	rBV	1367133	1138673	30.59%	2.516%
44	9.922	1330	1332	1335	rVB3	47976	46814	1.26%	0.103%
45	10.145	1367	1370	1374	rVB2	48007	45064	1.21%	0.100%
46	10.322	1397	1400	1403	rVB	118755	92312	2.48%	0.204%
47	10.433	1416	1419	1424	rVB2	34626	47588	1.28%	0.105%
48	10.539	1434	1437	1441	rVB	129690	130920	3.52%	0.289%
49	10.675	1456	1460	1463	rBV	2461294	2043616	54.89%	4.515%
50	10.810	1477	1483	1489	rVB	211122	305274	8.20%	0.674%
51	11.275	1559	1562	1566	rVB	134635	138814	3.73%	0.307%
52	11.369	1575	1578	1581	rBV	1058119	998101	26.81%	2.205%
53	11.392	1581	1582	1586	rVV	228528	177991	4.78%	0.393%
54	11.445	1589	1591	1595	rVB	65038	54106	1.45%	0.120%
55	11.657	1624	1627	1628	rBV2	40602	44591	1.20%	0.099%
56	11.904	1666	1669	1672	rBV2	290116	287773	7.73%	0.636%
57	11.986	1680	1683	1685	rBV3	52447	62027	1.67%	0.137%
58	12.080	1695	1699	1702	rBV3	77379	103846	2.79%	0.229%
59	12.116	1702	1705	1709	rVV	386241	372377	10.00%	0.823%
60	12.151	1709	1711	1716	rVB2	53978	58223	1.56%	0.129%
61	12.233	1723	1725	1730	rVB5	49498	66870	1.80%	0.148%
62	12.327	1737	1741	1744	rVB	2148627	1897142	50.96%	4.191%
63	12.404	1751	1754	1759	rBV	926944	955889	25.68%	2.112%
64	12.445	1759	1761	1763	rVV	124569	111848	3.00%	0.247%
65	12.463	1763	1764	1767	rVB2	101434	83858	2.25%	0.185%
66	12.592	1783	1786	1788	rBV	369987	321359	8.63%	0.710%
67	12.633	1789	1793	1796	rVB	3202068	2593956	69.68%	5.731%
68	12.816	1821	1824	1826	rVV	290725	230700	6.20%	0.510%
69	12.839	1826	1828	1832	rVB	99871	85882	2.31%	0.190%
70	12.927	1840	1843	1845	rBV2	355197	301729	8.10%	0.667%
71	12.957	1845	1848	1852	rVB	3367370	2985949	80.21%	6.597%
72	13.098	1869	1872	1876	rBV	3159271	2692364	72.32%	5.948%
73	13.192	1885	1888	1893	rBV2	212828	257552	6.92%	0.569%
74	13.245	1894	1897	1900	rVB2	350174	303400	8.15%	0.670%
75	13.345	1912	1914	1917	rBV3	184743	174263	4.68%	0.385%
76	13.539	1944	1947	1952	rBV2	119702	150943	4.05%	0.333%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

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-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.869	2000	2003	2007	rVB2	424506	405543	10.89%	0.896%
78	14.010	2022	2027	2030	rBV2	1025531	1246992	33.50%	2.755%
79	14.463	2102	2104	2106	rBV	160838	114217	3.07%	0.252%
80	14.486	2106	2108	2110	rBV	153813	138777	3.73%	0.307%
81	14.551	2115	2119	2122	rVB	1172154	1166955	31.35%	2.578%
82	15.133	2215	2218	2222	rBV	254031	283139	7.61%	0.626%
83	15.480	2273	2277	2281	rBV	579675	695416	18.68%	1.536%

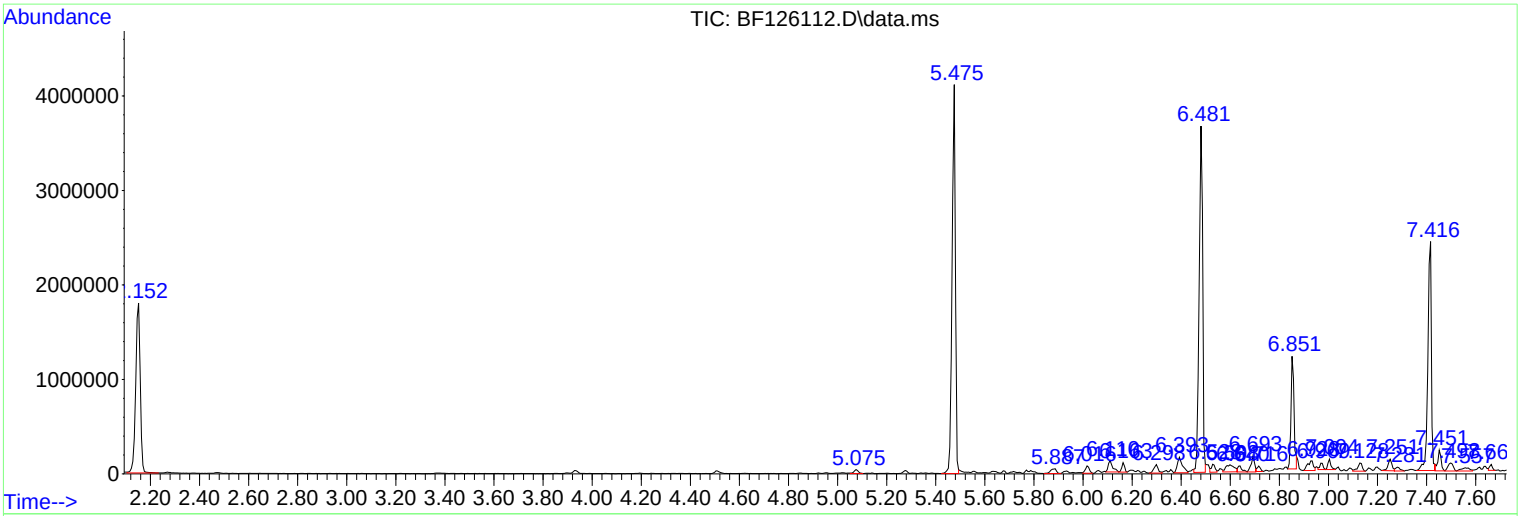
Sum of corrected areas: 45265121

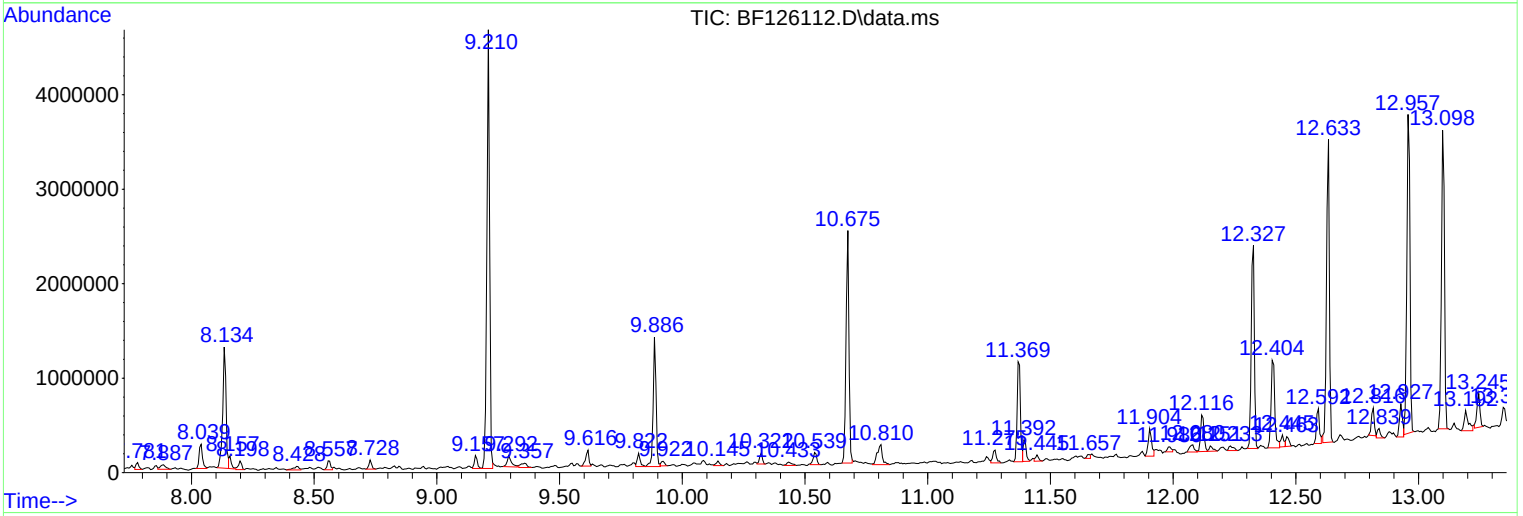
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

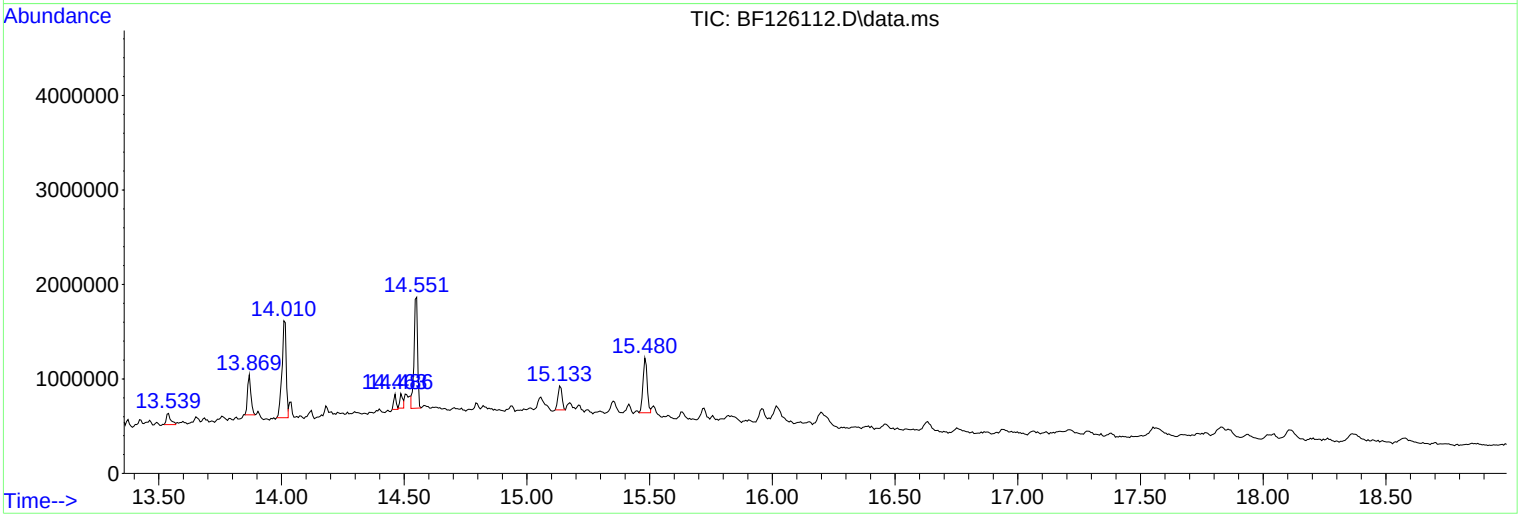
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

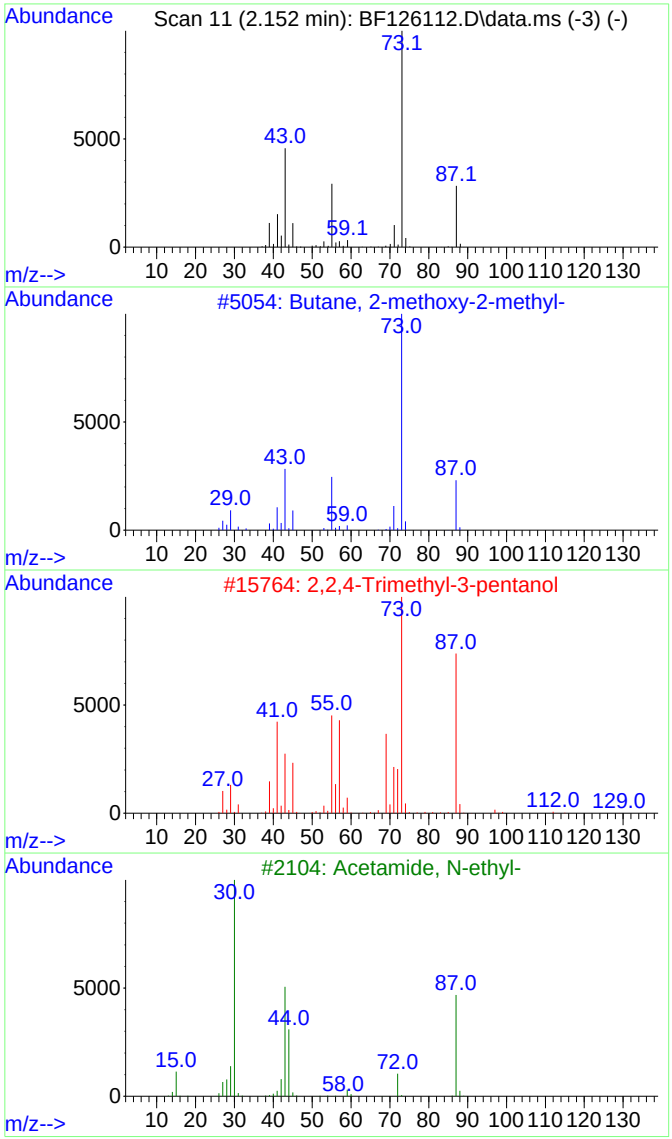
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

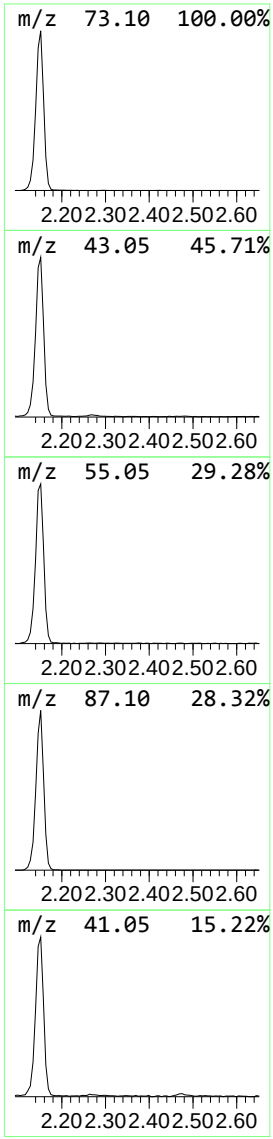
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	44.98 ng	2316370	1,4-Dichlorobenzene-d4	6.851

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	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

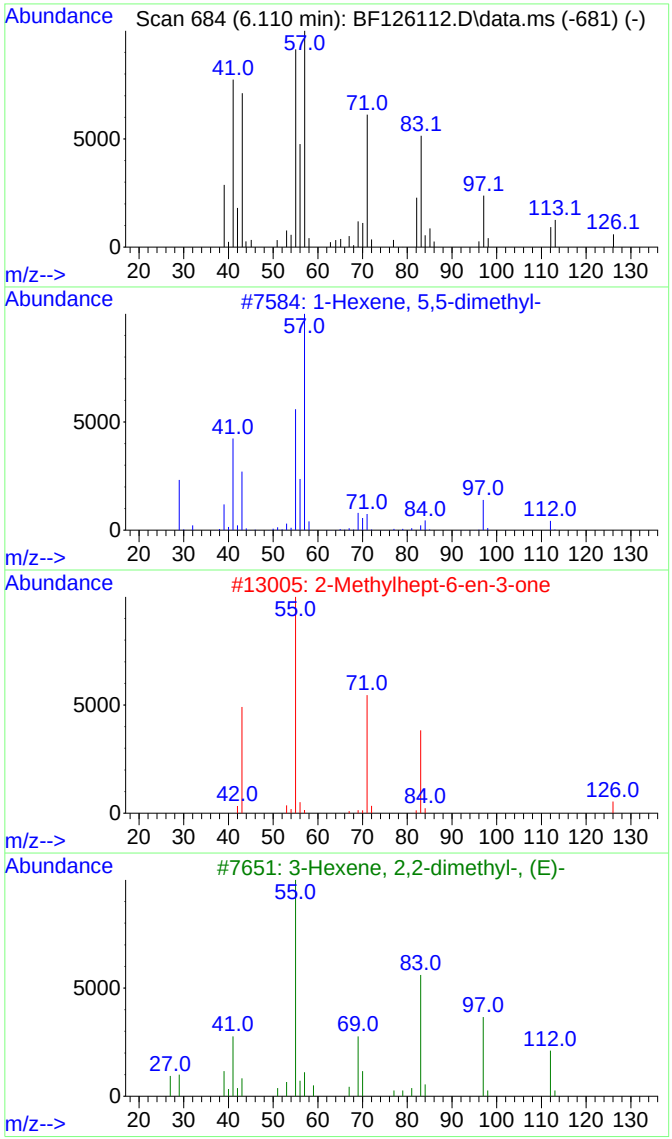
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

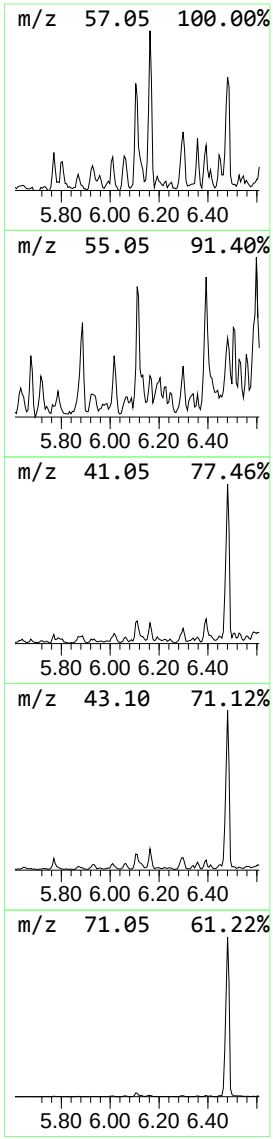
****

Peak Number 2 unknown6.110 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.110	2.95 ng	151833	1,4-Dichlorobenzene-d4	6.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	38
2	2-Methylhept-6-en-3-one	126	C8H14O	1000424-30-2	38
3	3-Hexene, 2,2-dimethyl-, (E)-	112	C8H16	000690-93-7	35
4	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	35
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

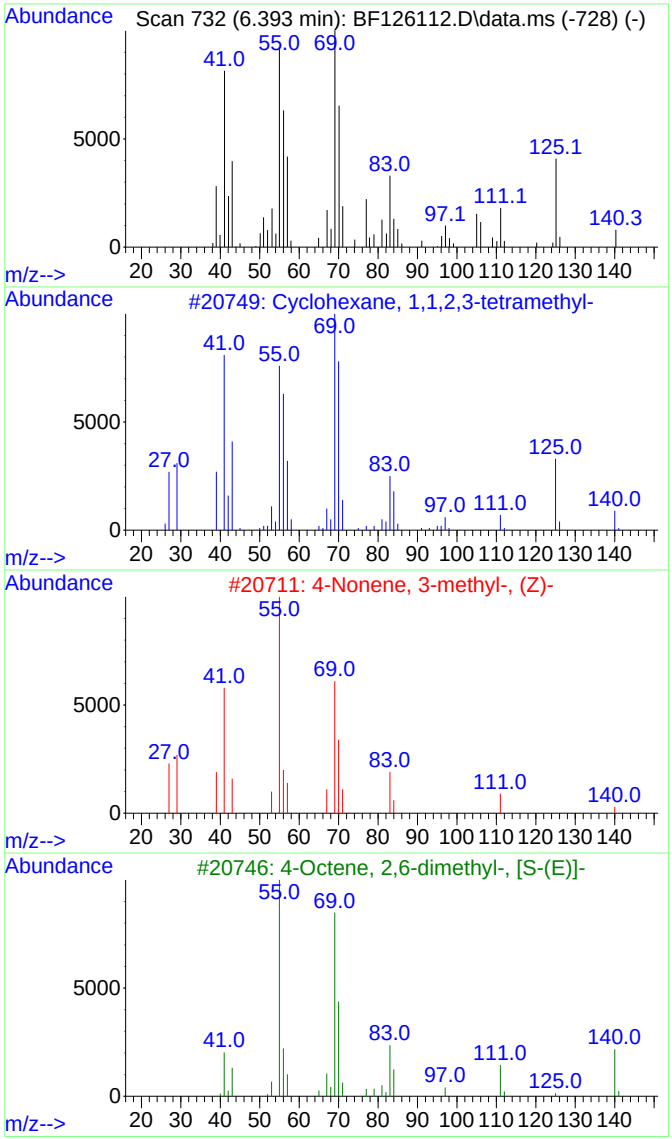
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

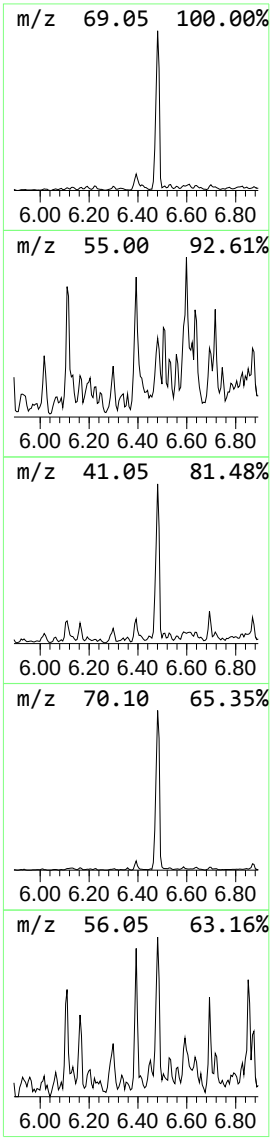
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.393	4.63 ng	238365	1,4-Dichlorobenzene-d4	6.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	74
2	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	64
3	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	58
4	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49
5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

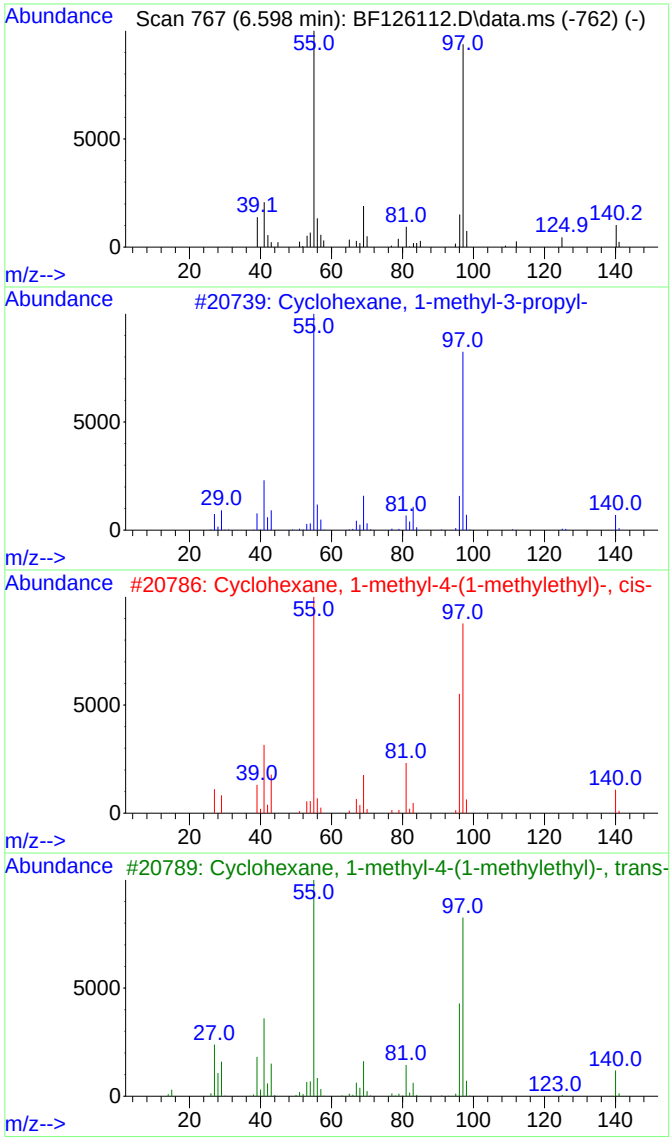
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

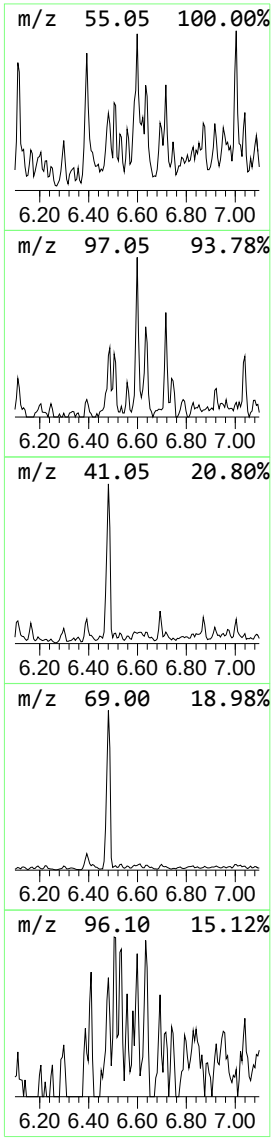
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, 1-methyl-3-pro... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.598	3.55 ng	182687	1,4-Dichlorobenzene-d4	6.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	91
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	80
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	80
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	78
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

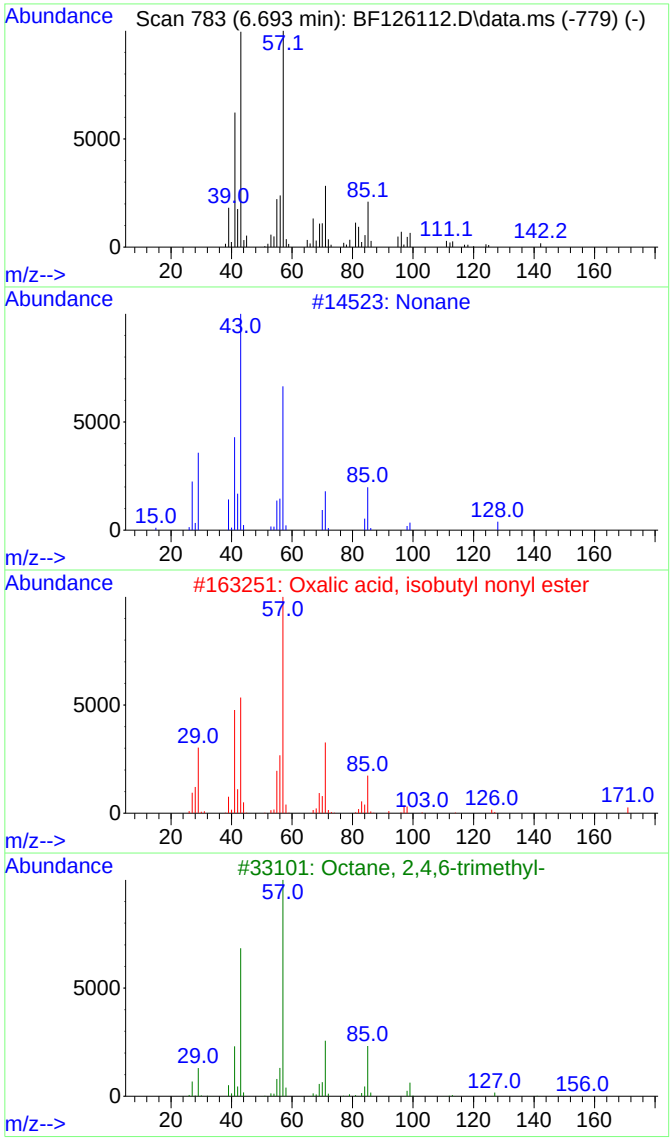
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

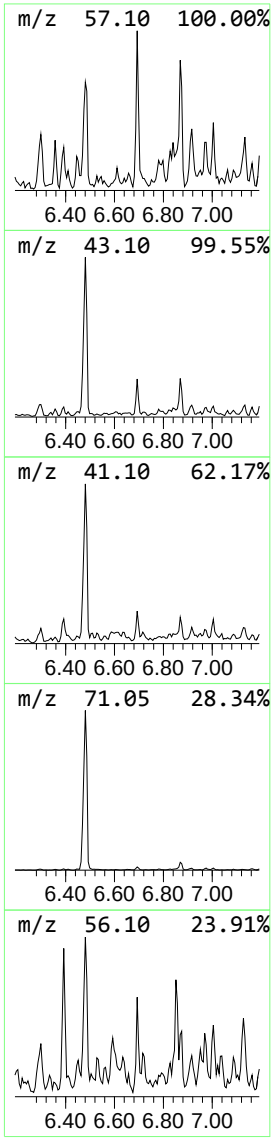
****

Peak Number 5 Nonane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.693	3.24 ng	166626	1,4-Dichlorobenzene-d4	6.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	64
2	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	59
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	53
4	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	53
5	Decane	142	C10H22	000124-18-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

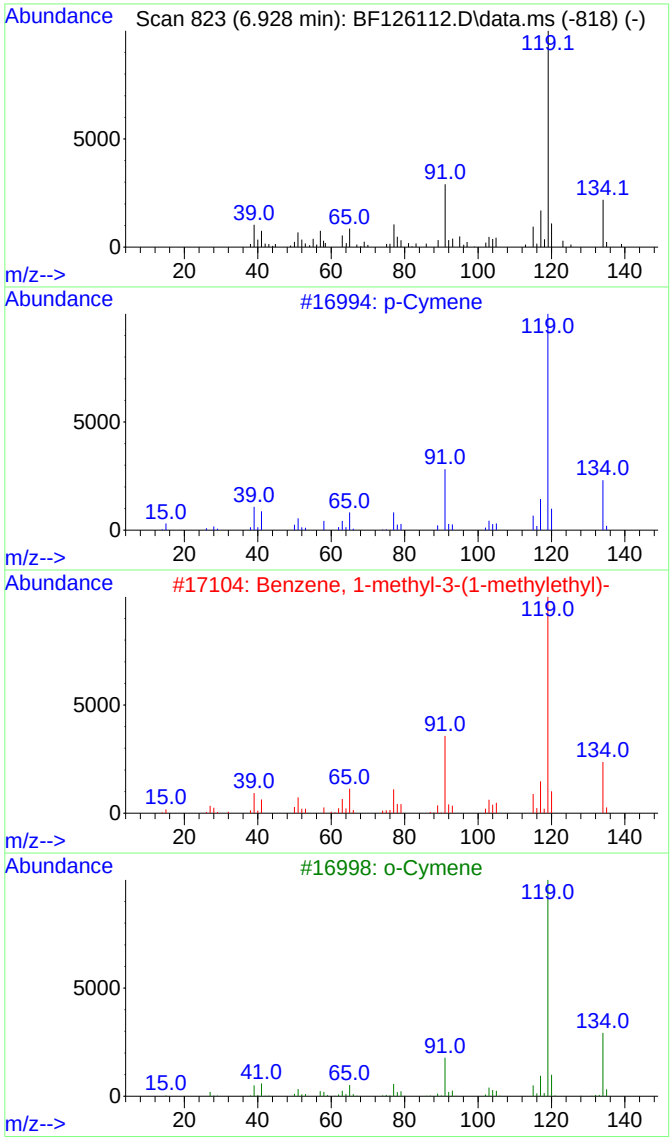
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

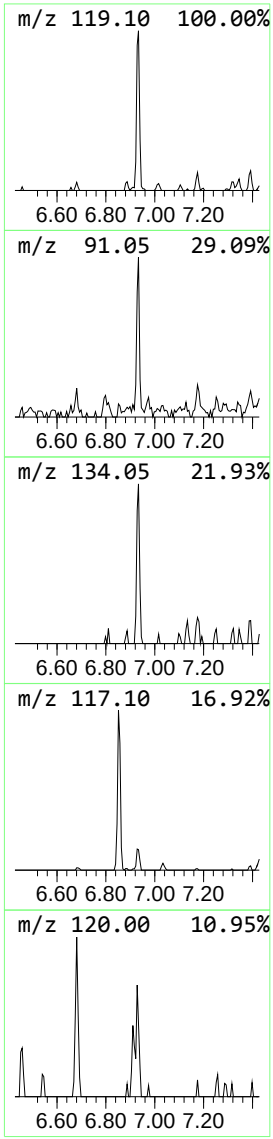
****

Peak Number 6 p-Cymene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.928	3.32 ng	171038	1,4-Dichlorobenzene-d4	6.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

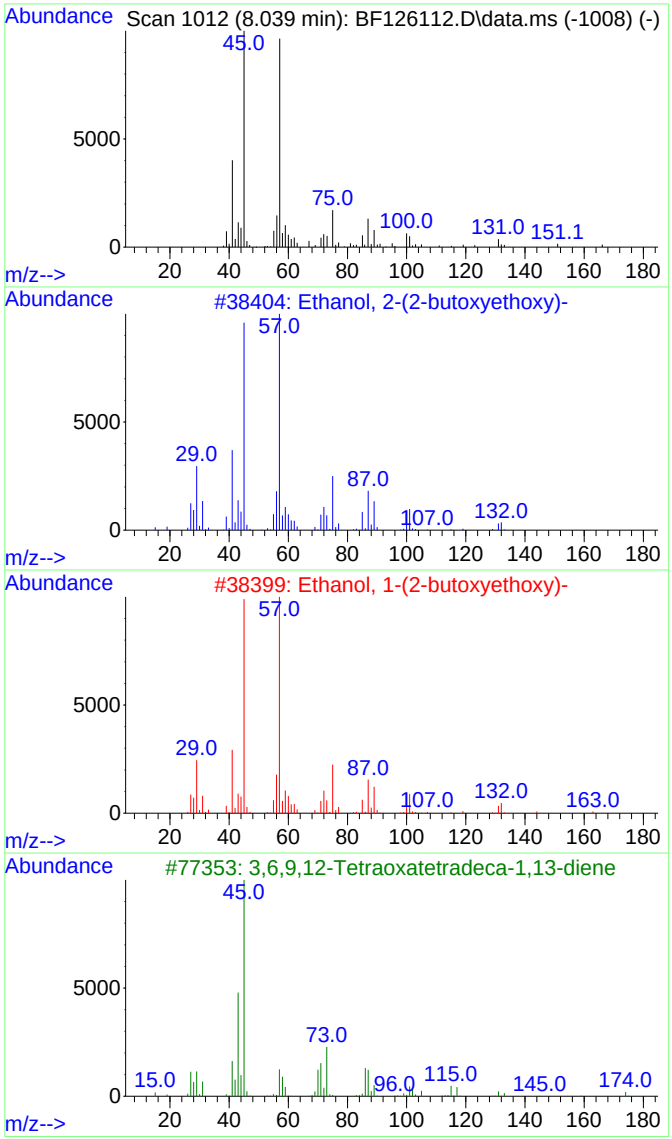
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

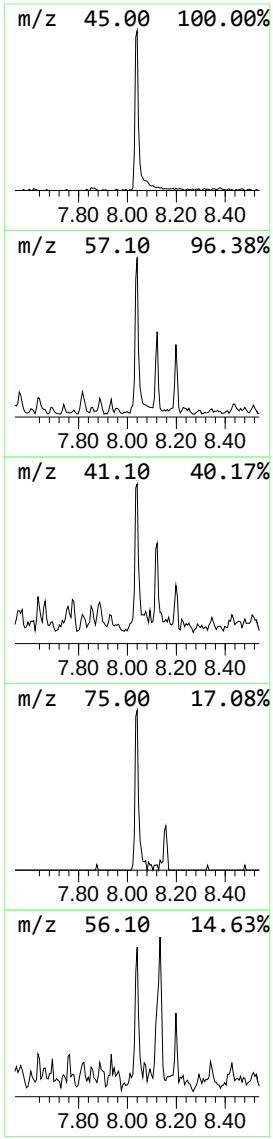
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.039	4.02 ng	247191	Naphthalene-d8	8.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	78
3	3,6,9,12-Tetraoxatetradeca-1,13-...	202	C10H18O4	000765-12-8	59
4	Hexane, 1,2,3-trimethoxy-	176	C9H20O3	020637-29-0	59
5	Acetaldehyde, di-sec-butyl acetal	174	C10H22O2	005314-41-0	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

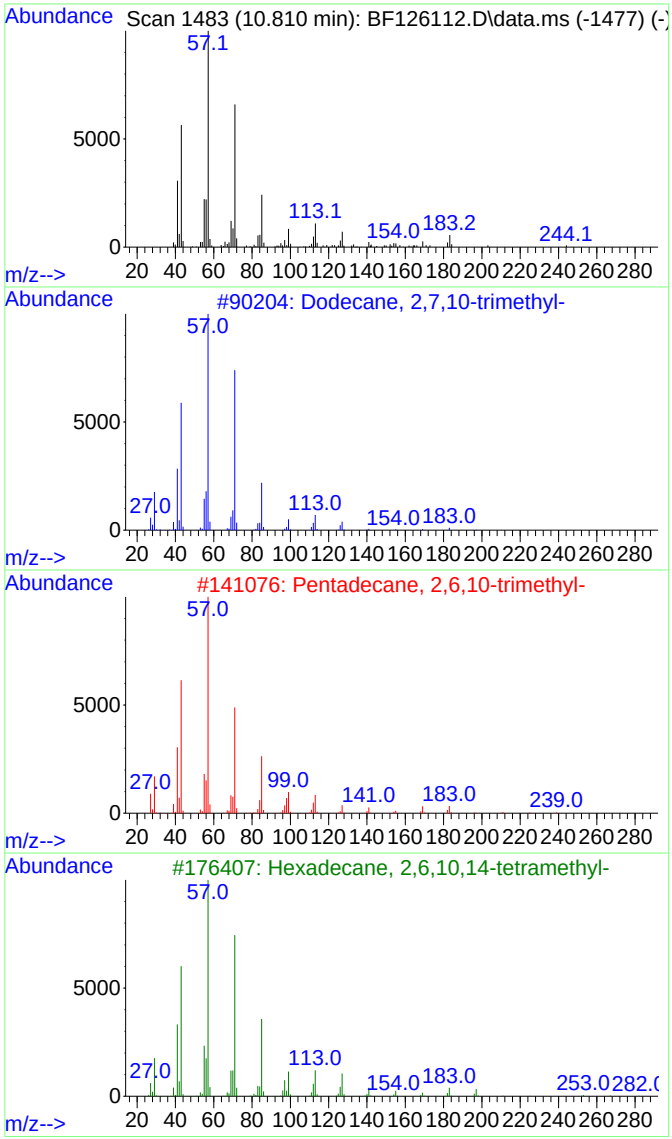
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

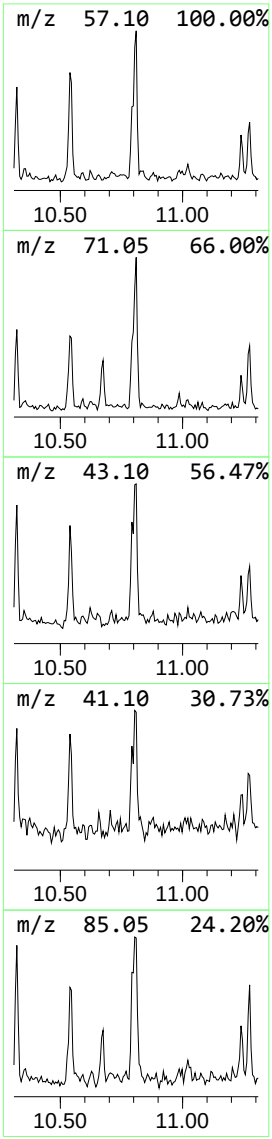
****

Peak Number 8 Dodecane, 2,7,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.810	6.12 ng	305274	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

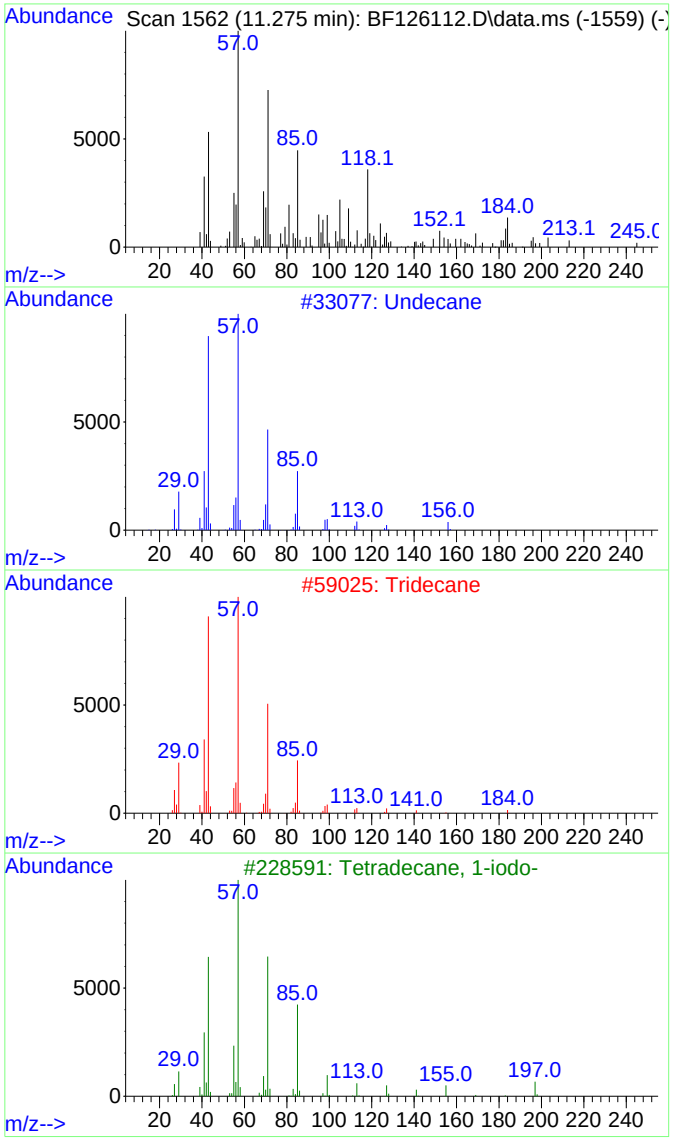
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

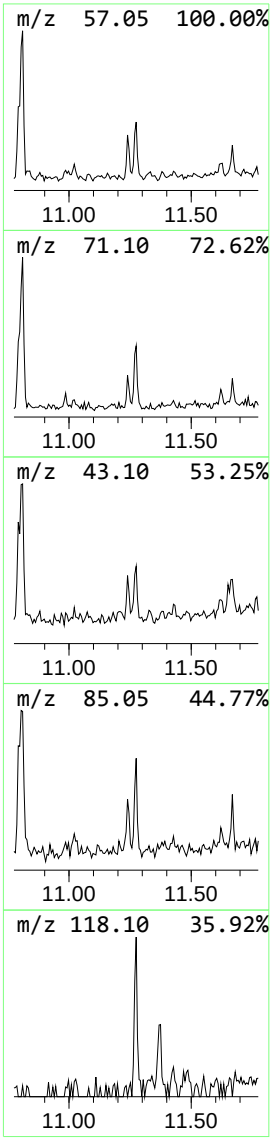
****

Peak Number 9 unknown11.275 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	2.78 ng	138814	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	46
2	Tridecane	184	C13H28	000629-50-5	46
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	43
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

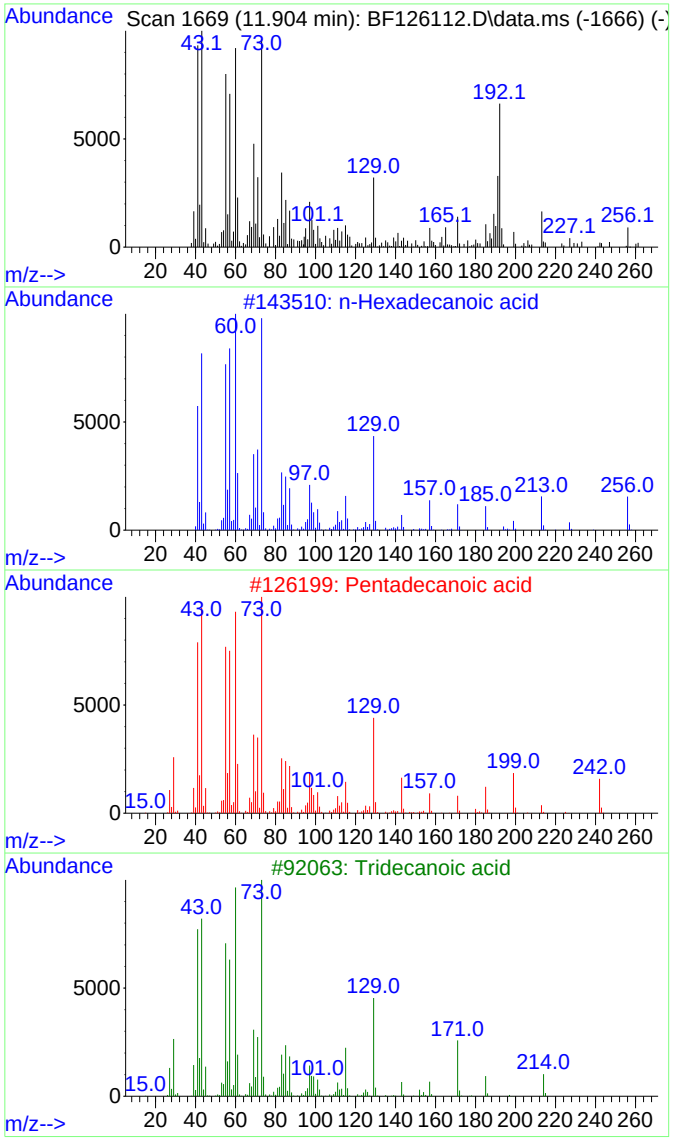
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

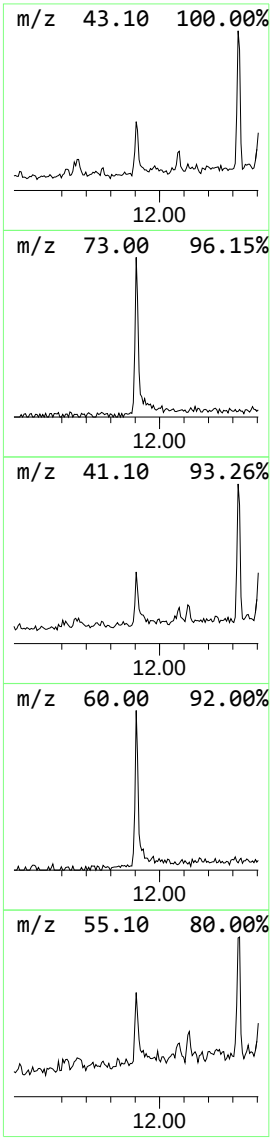
****

Peak Number 10 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	5.77 ng	287773	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	83
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	53
5	Nonanoic acid	158	C9H18O2	000112-05-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

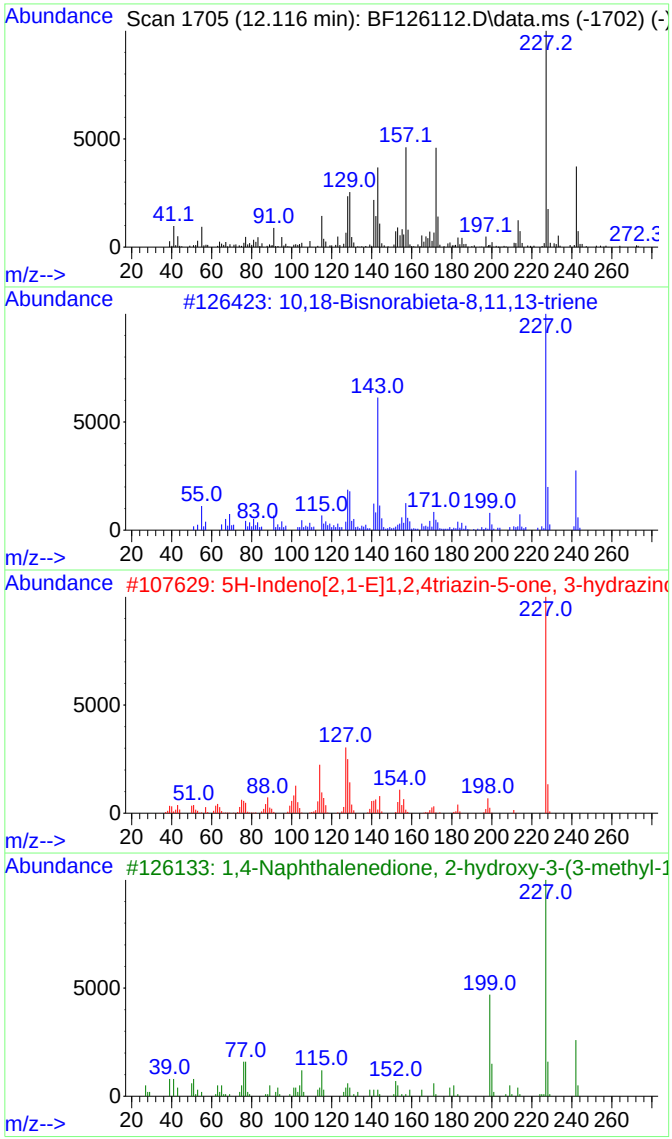
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

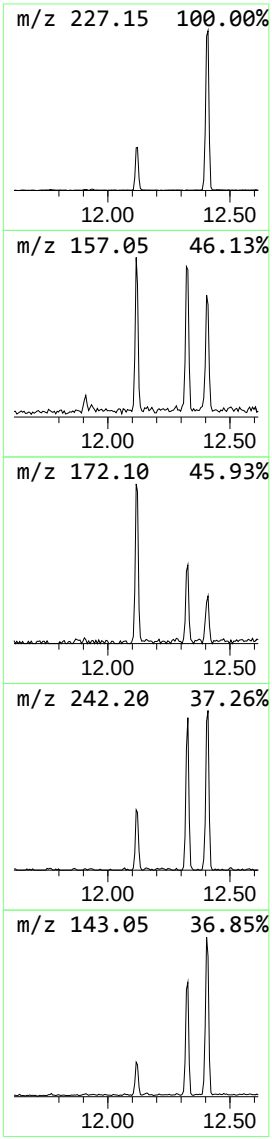
****

Peak Number 11 unknown12.116 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	7.46 ng	372377	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	60
2	5H-Indeno[2,1-E]1,2,4triazin-5-o...	227	C10H9N7	1000271-75-1	41
3	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	004042-39-1	38
4	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	38
5	2-(4-((Trimethylsilyl)oxy)benzyl...	242	C13H14N2OSi	771575-52-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

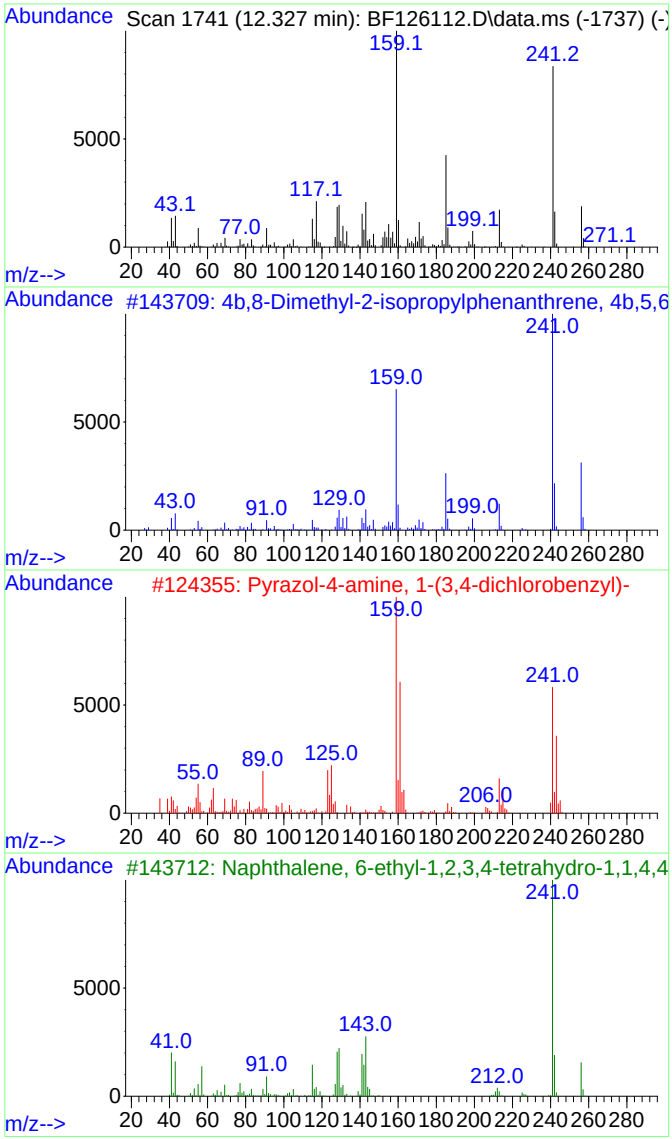
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

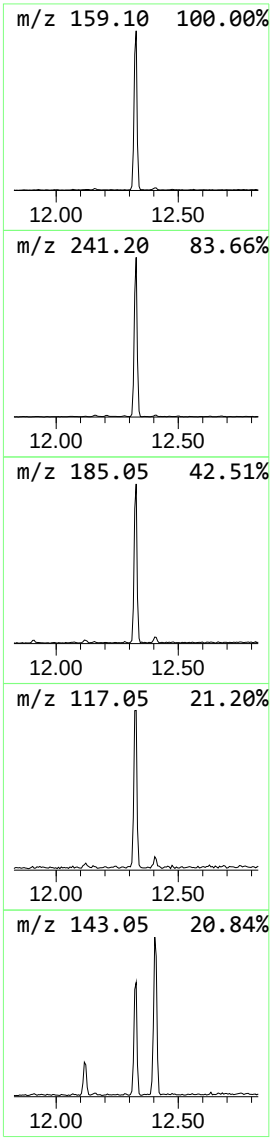
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.327	38.02 ng	1897140	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	95
2	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	47
3	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	35
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	25
5	Uracil, 5-(p-cyanophenyl)-1,3-di...	241	C13H11N3O2	1000164-78-4	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

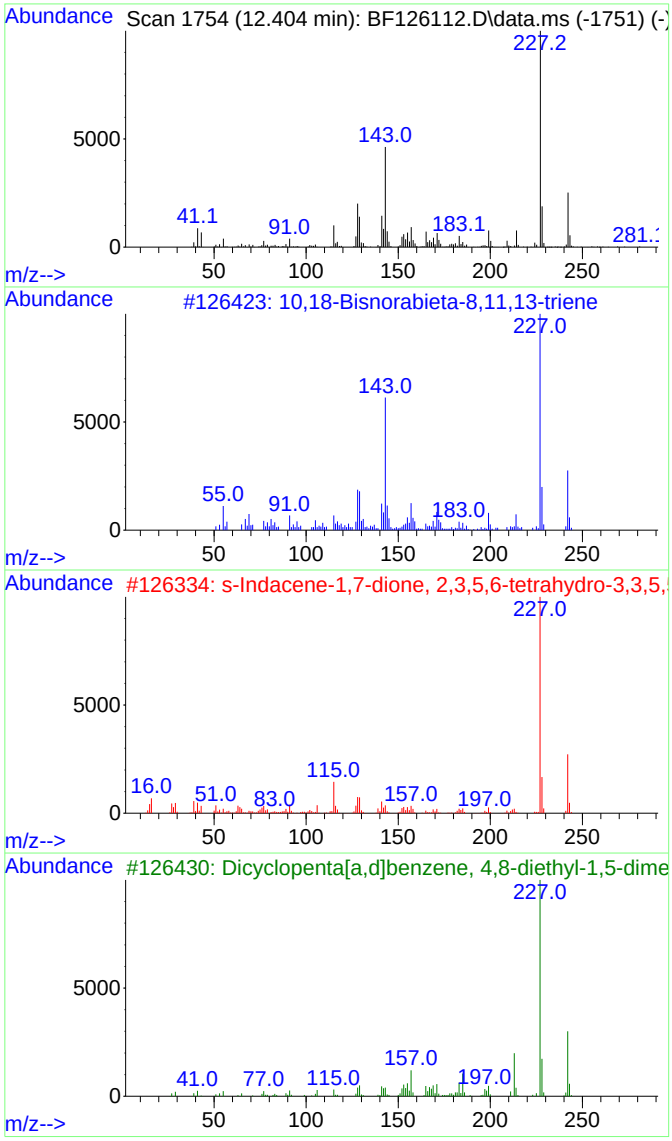
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

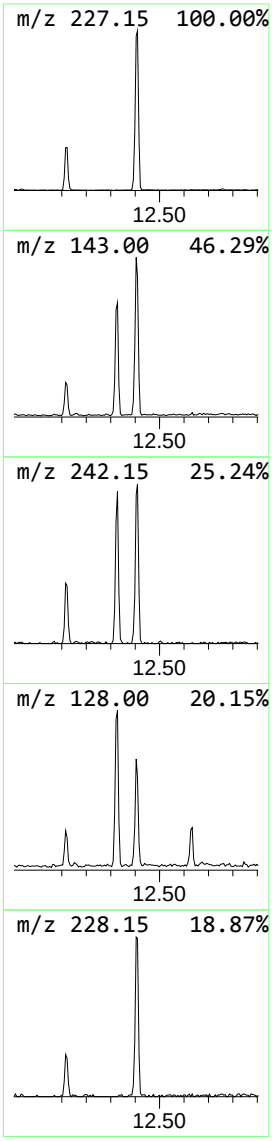
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 10,18-Bisnorabieta-8,11,13-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	19.15 ng	955889	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	94
2	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	64
3	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	60
4	5H-Indeno[2,1-E]1,2,4triazin-5-o...	227	C10H9N7	1000271-75-1	49
5	Lapachol	242	C15H14O3	000084-79-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

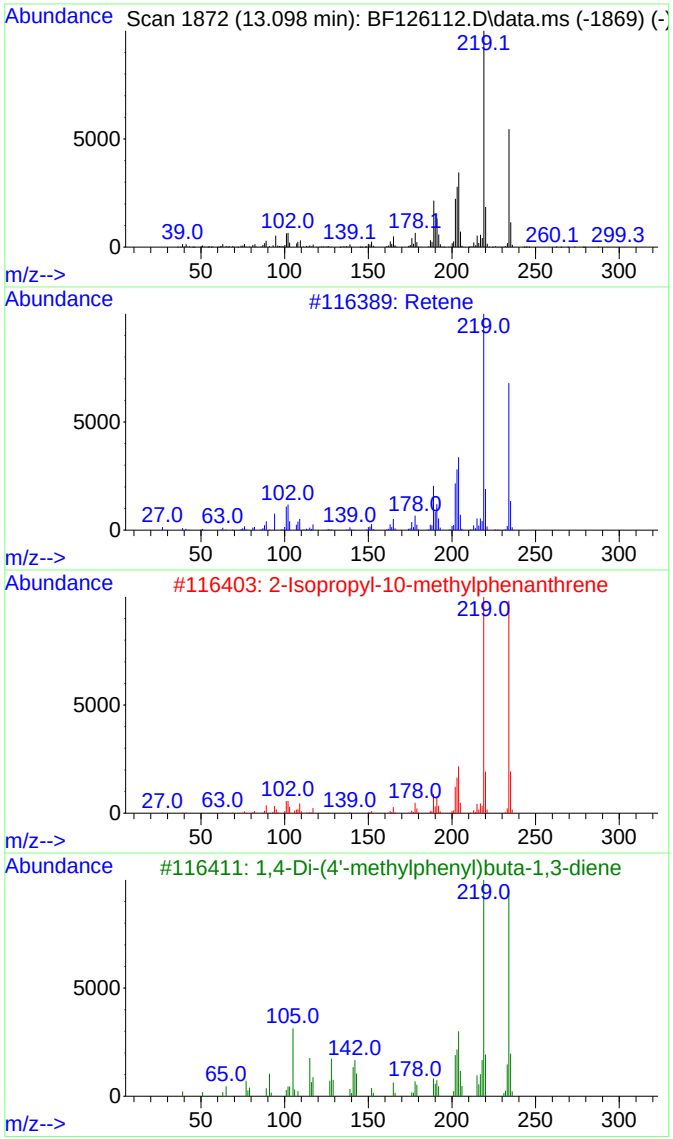
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

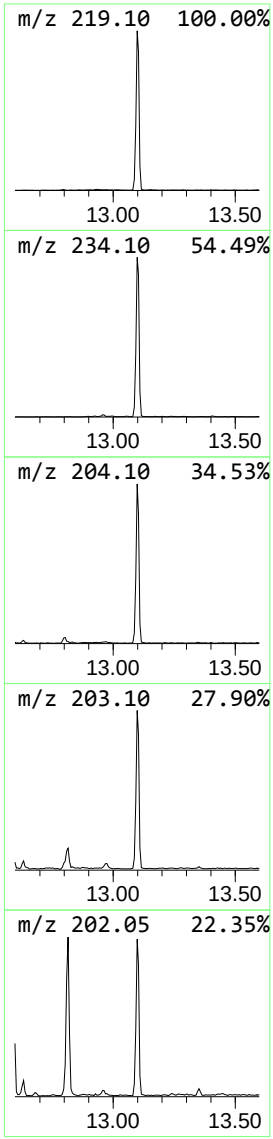
****

Peak Number 14 Retene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	43.18 ng	2692360	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	1,4-Di-(4'-methylphenyl)buta-1,3...	234	C18H18	1000202-17-5	72
4	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	58
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

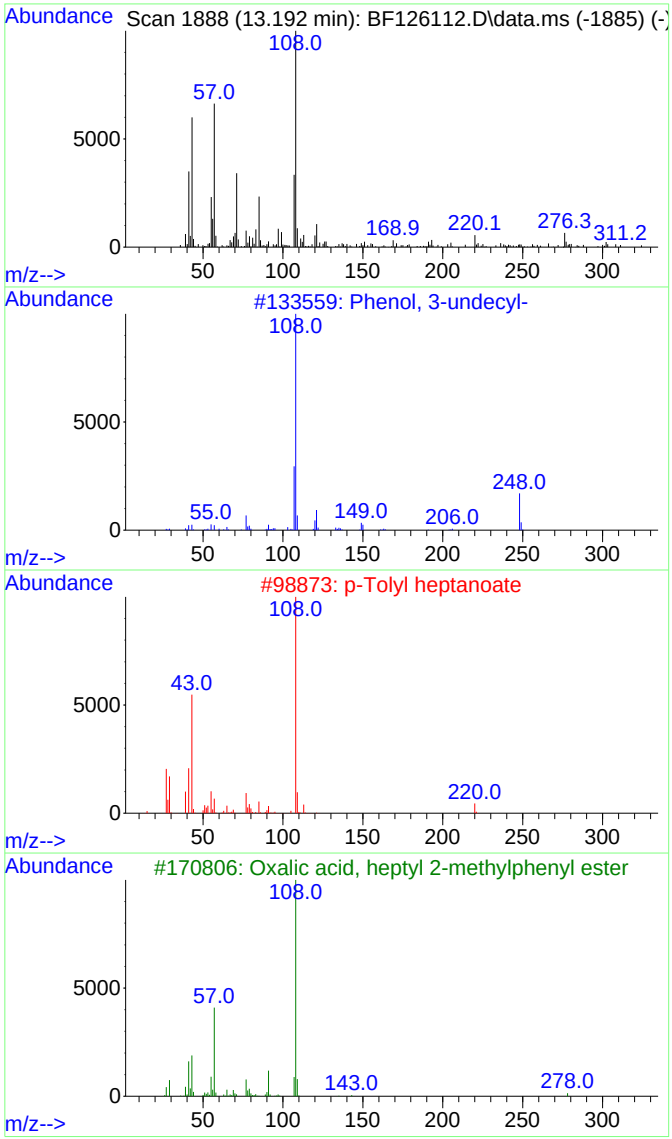
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

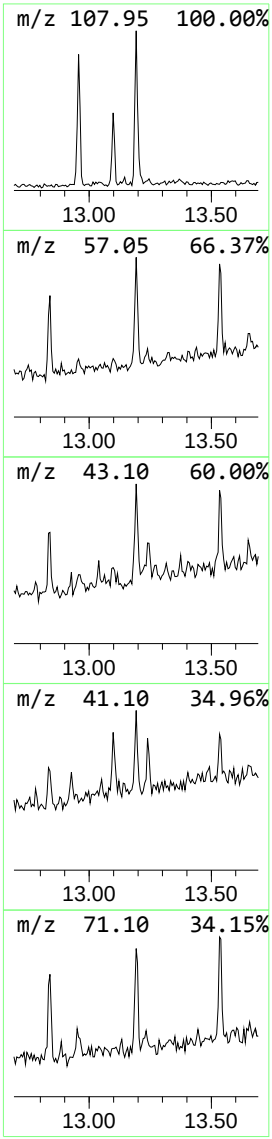
****

Peak Number 15 Phenol, 3-undecyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	4.13 ng	257552	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-undecyl-	248	C17H28O	020056-72-8	58
2	p-Tolyl heptanoate	220	C14H20O2	071662-19-6	50
3	Oxalic acid, heptyl 2-methylphen...	278	C16H22O4	1000309-59-7	43
4	3-Tridecylphenol	276	C19H32O	072424-02-3	38
5	Tricosane	324	C23H48	000638-67-5	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

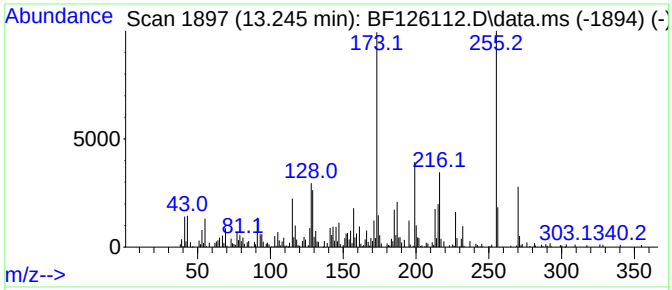
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

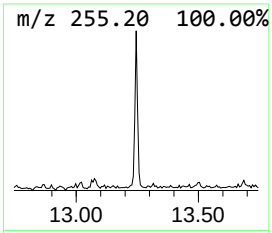
****

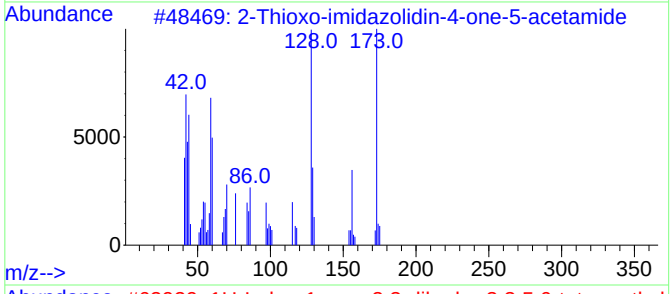
Peak Number 16 unknown13.245 Concentration Rank 11

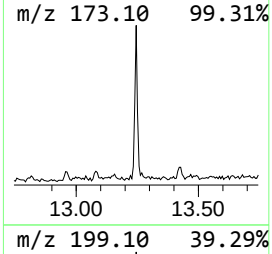
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.245	4.87 ng	303400	Chrysene-d12	14.016

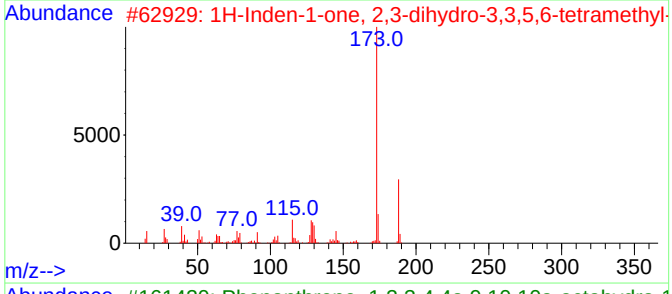
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Thioxo-imidazolidin-4-one-5-ac...	173	C5H7N3O2S	1010146-03-1	30
2	1H-Inden-1-one, 2,3-dihydro-3,3,...	188	C13H16O	054789-22-9	25
3	Phenanthrene, 1,2,3,4,4a,9,10,10...	270	C20H30	019407-28-4	20
4	5-tert-Butyl-2,2'-dimethoxy-biph...	270	C18H22O2	1000318-04-7	18
5	4-Phenyl-3-penten-2-one p-toluen...	328	C18H20N2O2S	1000211-12-1	18

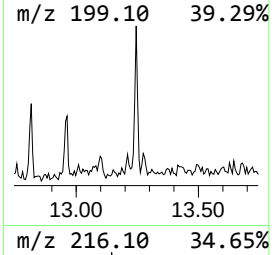


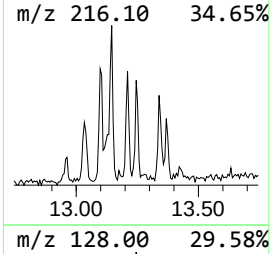


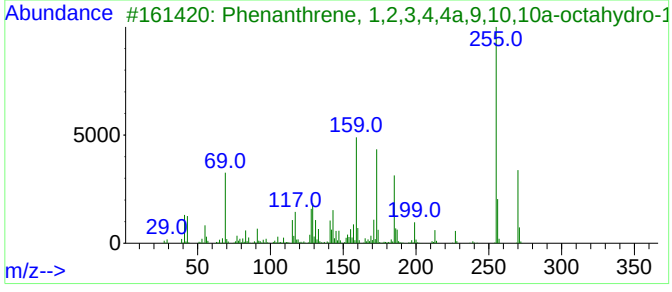


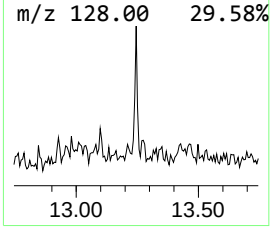












Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

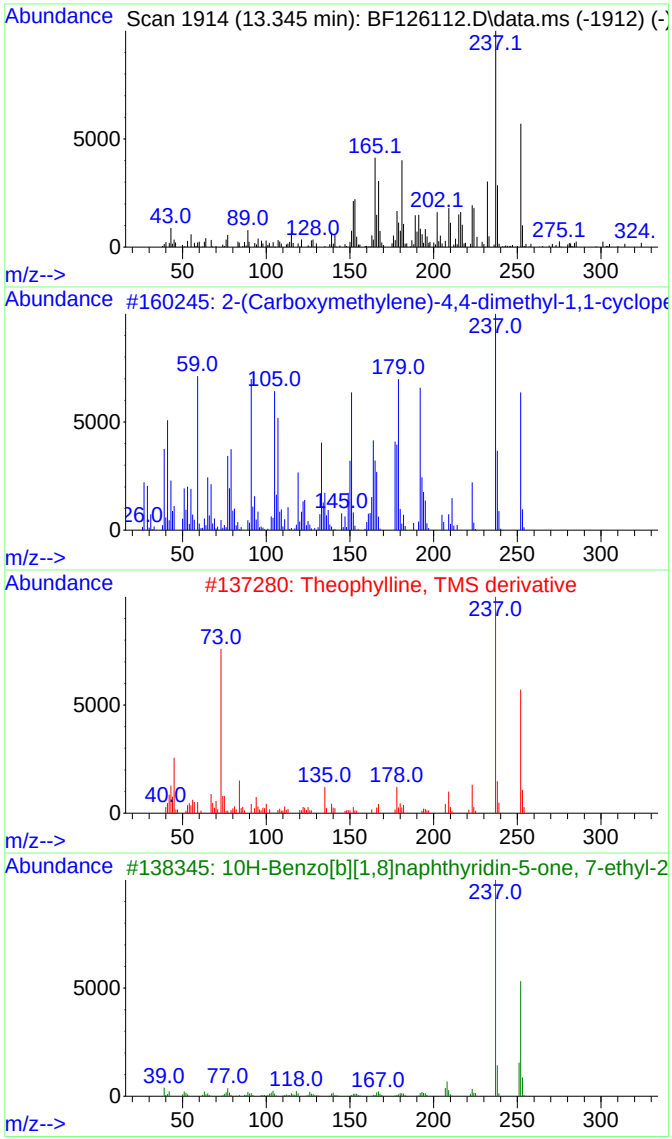
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

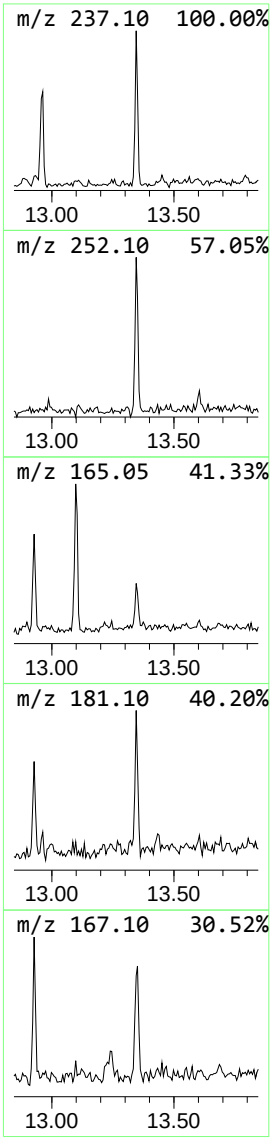
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2-(Carboxymethylene)-4,4-di... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.345	2.79 ng	174263	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(Carboxymethylene)-4,4-dimethy...	270	C13H18O6	180691-11-6	58
2	Theophylline, TMS derivative	252	C10H16N4O2Si	062374-32-7	43
3	10H-Benzo[b][1,8]naphthyridin-5-...	252	C16H16N2O	1000302-05-2	38
4	(4-Benzotriazol-2-ylphenyl)(isop...	252	C15H16N4	1000304-74-3	35
5	3'-(trifluoromethyl)-[1,1'-biphe...	237	C13H10F3N	400749-02-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

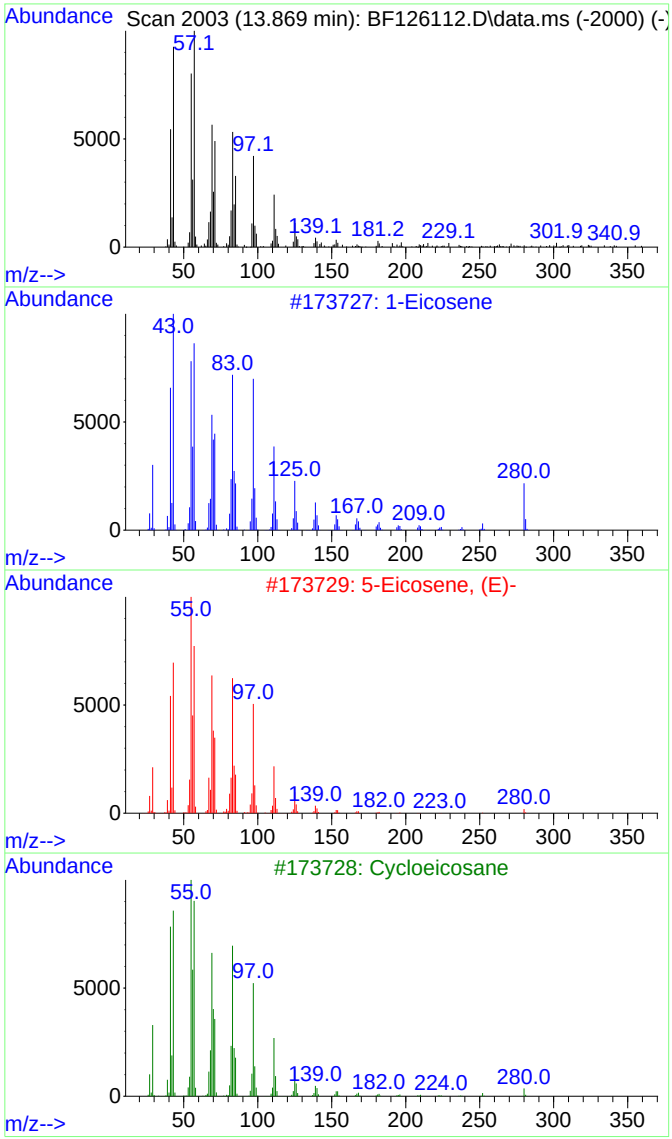
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

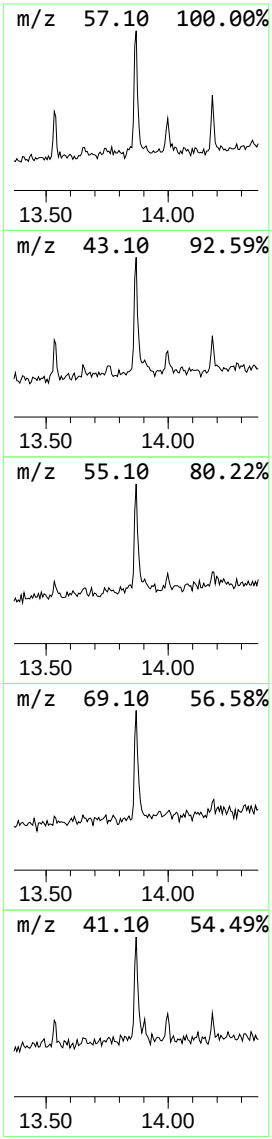
****

Peak Number 18 1-Eicosene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	6.50 ng	405543	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene	280	C20H40	003452-07-1	95
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	94
3	Cycloeicosane	280	C20H40	000296-56-0	93
4	Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	91
5	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

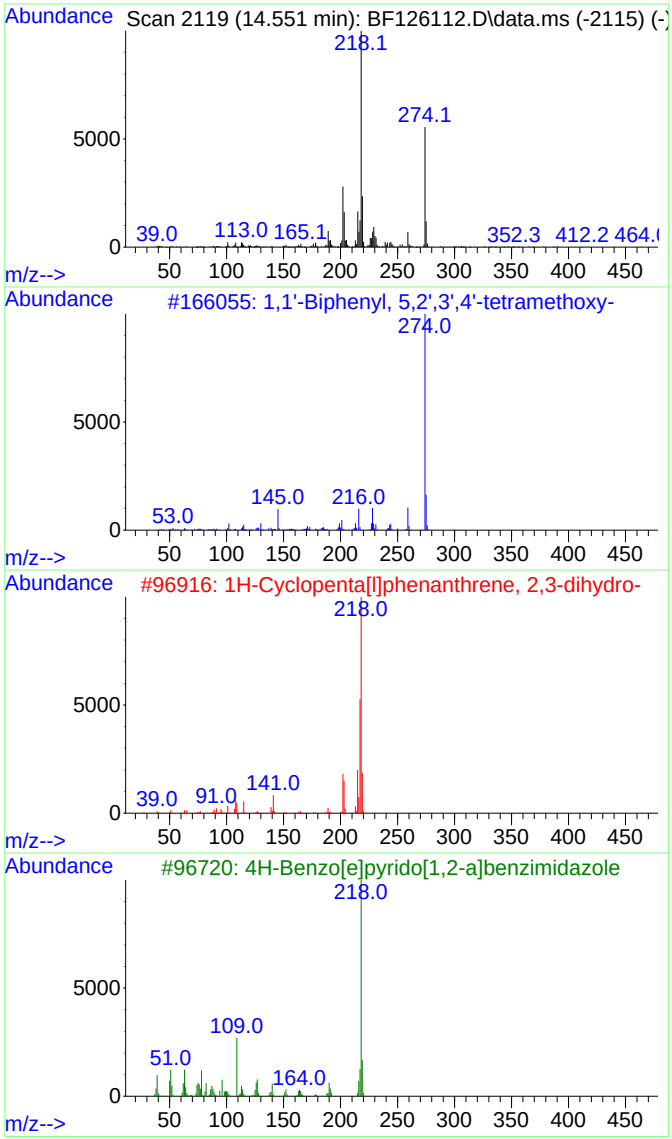
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

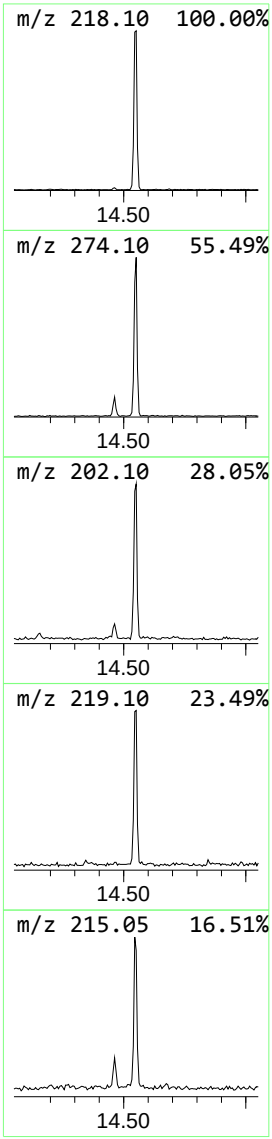
****

Peak Number 19 unknown14.551 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.551	18.72 ng	1166960	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 5,2',3',4'-tetram...	274	C16H18O4	119101-30-3	44
2	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	43
3	4H-Benzo[e]pyrido[1,2-a]benzimid...	218	C15H10N2	000239-25-8	43
4	1-Hydroxypyrene	218	C16H10O	005315-79-7	38
5	(-)-Eseroline	218	C13H18N2O	000469-22-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

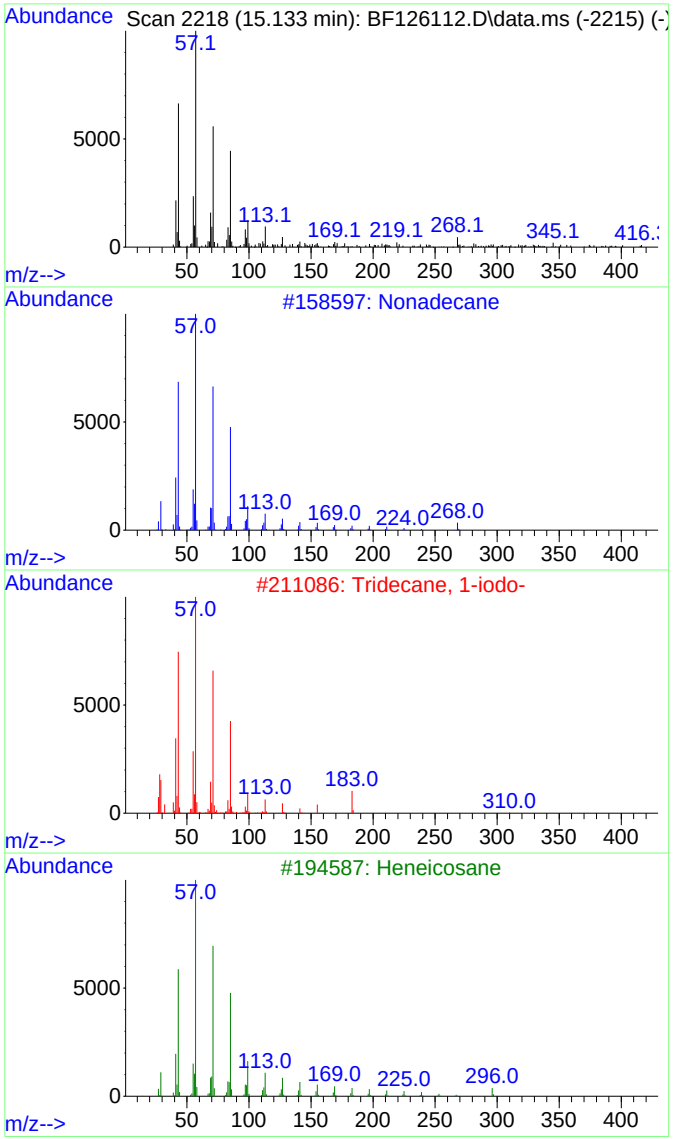
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

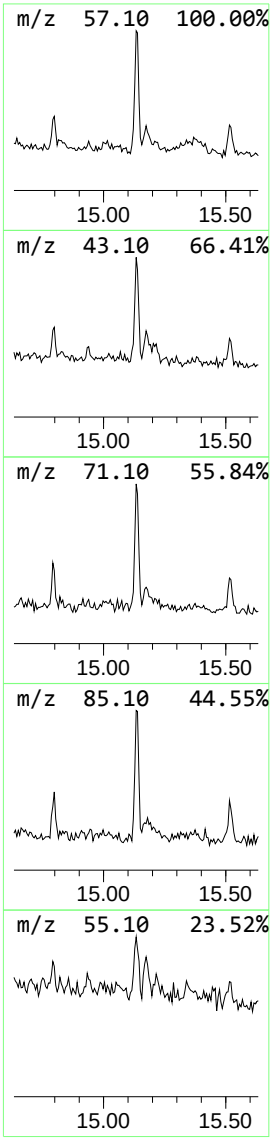
****

Peak Number 20 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.133	8.14 ng	283139	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
3	Heneicosane	296	C21H44	000629-94-7	83
4	Heptadecane	240	C17H36	000629-78-7	80
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126112.D
Acq On : 10 Nov 2021 17:42
Operator : JU/CG
Sample : M4523-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.152	45.0	ng	2316370	1	6.851	1029980	20.0
unknown6.110	6.110	3.0	ng	151833	1	6.851	1029980	20.0
Cyclohexane, 1,...	6.393	4.6	ng	238365	1	6.851	1029980	20.0
Cyclohexane, 1-...	6.598	3.5	ng	182687	1	6.851	1029980	20.0
Nonane	6.693	3.2	ng	166626	1	6.851	1029980	20.0
p-Cymene	6.928	3.3	ng	171038	1	6.851	1029980	20.0
Ethanol, 2-(2-b...	8.039	4.0	ng	247191	2	8.134	1228560	20.0
Dodecane, 2,7,1...	10.810	6.1	ng	305274	4	11.369	998101	20.0
unknown11.275	11.275	2.8	ng	138814	4	11.369	998101	20.0
n-Hexadecanoic ...	11.904	5.8	ng	287773	4	11.369	998101	20.0
unknown12.116	12.116	7.5	ng	372377	4	11.369	998101	20.0
4b,8-Dimethyl-2...	12.327	38.0	ng	1897140	4	11.369	998101	20.0
10,18-Bisnorabi...	12.404	19.1	ng	955889	4	11.369	998101	20.0
Retene	13.098	43.2	ng	2692360	5	14.016	1246990	20.0
Phenol, 3-undecyl-	13.192	4.1	ng	257552	5	14.016	1246990	20.0
unknown13.245	13.245	4.9	ng	303400	5	14.016	1246990	20.0
2-(Carboxymethy...	13.345	2.8	ng	174263	5	14.016	1246990	20.0
1-Eicosene	13.868	6.5	ng	405543	5	14.016	1246990	20.0
unknown14.551	14.551	18.7	ng	1166960	5	14.016	1246990	20.0
Nonadecane	15.133	8.1	ng	283139	6	15.480	695416	20.0