LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116542.D
Acq On : 25 Aug 2019 19:51
Operator : HP/JU
Sample : K4403-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

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-BF082319.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	2.246	19	27	32	rVB	2022530	2687692	100.00%	8.440%
2	5.516	575	583	586	rBV	2337491	2214495	82.39%	6.954%
3	6.516	747	753	760	rBV	2423932	2583225	96.11%	8.112%
4	6.657	772	777	780	rBV	2700849	2442910	90.89%	7.671%
5	6.887	812	816	819	rBV	1026289	829980	30.88%	2.606%
6	7.045	838	843	846	rBV	1973758	1782788	66.33%	5.598%
7	7.439	905	910	913	rBV	1451271	1470198	54.70%	4.617%
8	8.169	1029	1034	1036	rBV	1175181	1073188	39.93%	3.370%
9	8.186	1036	1037	1041	rVB	47599	29830	1.11%	0.094%
10	9.239	1211	1216	1219	rBV	2598848	2187619	81.39%	6.869%
11	9.628	1279	1282	1285	rBV	356953	265609	9.88%	0.834%
12	9.775	1304	1307	1312	rVB	35748	29823	1.11%	0.094%
13	9.916	1323	1331	1334	rBV	1365117	1138647	42.37%	3.575%
14	9.951	1334	1337	1340	rVB	86492	78947	2.94%	0.248%
15	10.116	1360	1365	1369	rBV2	66787	64648	2.41%	0.203%
16	10.463	1420	1424	1428	rBV2	68899	62341	2.32%	0.196%
17	10.622	1448	1451	1456	rVB	35630	30788	1.15%	0.097%
18	10.704	1460	1465	1468	rBV	1301717	1233296	45.89%	3.873%
19	10.828	1482	1486	1493	rVB6	34203	46439	1.73%	0.146%
20	11.139	1535	1539	1541	rBV4	25027	30184	1.12%	0.095%
21	11.198	1547	1549	1554	rVB	58980	61051	2.27%	0.192%
22	11.257	1554	1559	1561	rBV3	31792	55013	2.05%	0.173%
23	11.298	1564	1566	1571	rVB	55952	55125	2.05%	0.173%
24	11.398	1579	1583	1585	rBV	1017341	950990	35.38%	2.986%
25	11.422	1585	1587	1591	rVV	957733	844609	31.43%	2.652%
26	11.475	1591	1596	1599	rVV	215291	192415	7.16%	0.604%
27	11.622	1617	1621	1624	rBV2	70428	81058	3.02%	0.255%
28	11.698	1632	1634	1636	rVB	41378	28954	1.08%	0.091%
29	11.904	1665	1669	1670	rBV	128246	111842	4.16%	0.351%
30	11.927	1670	1673	1677	rVB	530401	428026	15.93%	1.344%
31	11.974	1679	1681	1684	rVB	61342	51941	1.93%	0.163%
32	12.010	1684	1687	1690	rBV2	185304	217093	8.08%	0.682%
33	12.104	1701	1703	1706	rVB3	36136	28980	1.08%	0.091%
34	12.198	1716	1719	1720	rBV	93644	88910	3.31%	0.279%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116542.D
Acq On : 25 Aug 2019 19:51
Operator : HP/JU
Sample : K4403-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

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-BF082319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.216	1720	1722	1724	rVB	77865	60182	2.24%	0.189%
36	12.345	1742	1744	1747	rVB2	44673	33291	1.24%	0.105%
37	12.374	1747	1749	1751	rBV	30086	27452	1.02%	0.086%
38	12.451	1759	1762	1765	rBV	79236	83448	3.10%	0.262%
39	12.492	1766	1769	1771	rVV3	47920	64458	2.40%	0.202%
40	12.533	1773	1776	1781	rVB2	68665	77447	2.88%	0.243%
41	12.616	1786	1790	1793	rBV	1190011	1098256	40.86%	3.449%
42	12.710	1803	1806	1809	rBV2	152185	149439	5.56%	0.469%
43	12.839	1822	1828	1832	rBV	1049626	1115609	41.51%	3.503%
44	12.886	1834	1836	1842	rVB2	51364	63470	2.36%	0.199%
45	12.957	1846	1848	1849	rBV	57871	41298	1.54%	0.130%
46	12.980	1849	1852	1859	rVB	1708529	1595838	59.38%	5.011%
47	13.063	1862	1866	1868	rBV2	62503	89697	3.34%	0.282%
48	13.269	1898	1901	1904	rBV2	107108	108149	4.02%	0.340%
49	13.392	1920	1922	1925	rBV	59075	66968	2.49%	0.210%
50	13.668	1967	1969	1975	rVB	103935	114779	4.27%	0.360%
51	13.816	1991	1994	1995	rBV	83149	74865	2.79%	0.235%
52	13.880	2001	2005	2012	rBV3	293321	349753	13.01%	1.098%
53	14.033	2026	2031	2034	rBV2	809338	1093986	40.70%	3.435%
54	14.057	2034	2035	2041	rVB	356853	305349	11.36%	0.959%
55	15.074	2205	2208	2211	rBV	253829	346663	12.90%	1.089%
56	15.380	2257	2260	2266	rVB	182898	244828	9.11%	0.769%
57	15.439	2267	2270	2277	rVB	264499	337136	12.54%	1.059%
58	15.504	2277	2281	2285	rBV	437216	556454	20.70%	1.747%
59	15.545	2285	2288	2294	rVB3	183578	268968	10.01%	0.845%

Sum of corrected areas: 31846437

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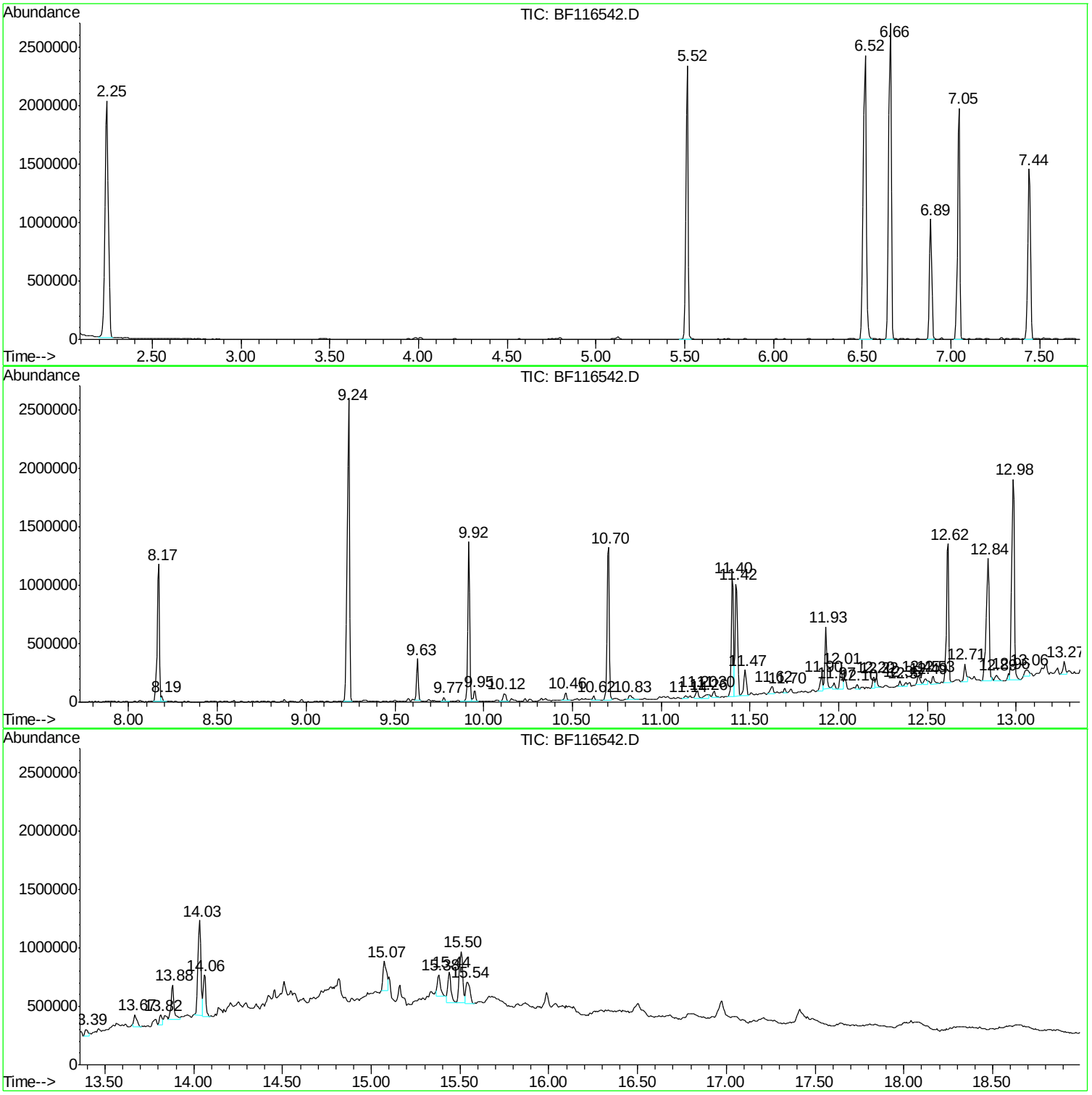
Instrument :
BNA_F
ClientSampleId :
T1-I-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
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Misc :
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Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

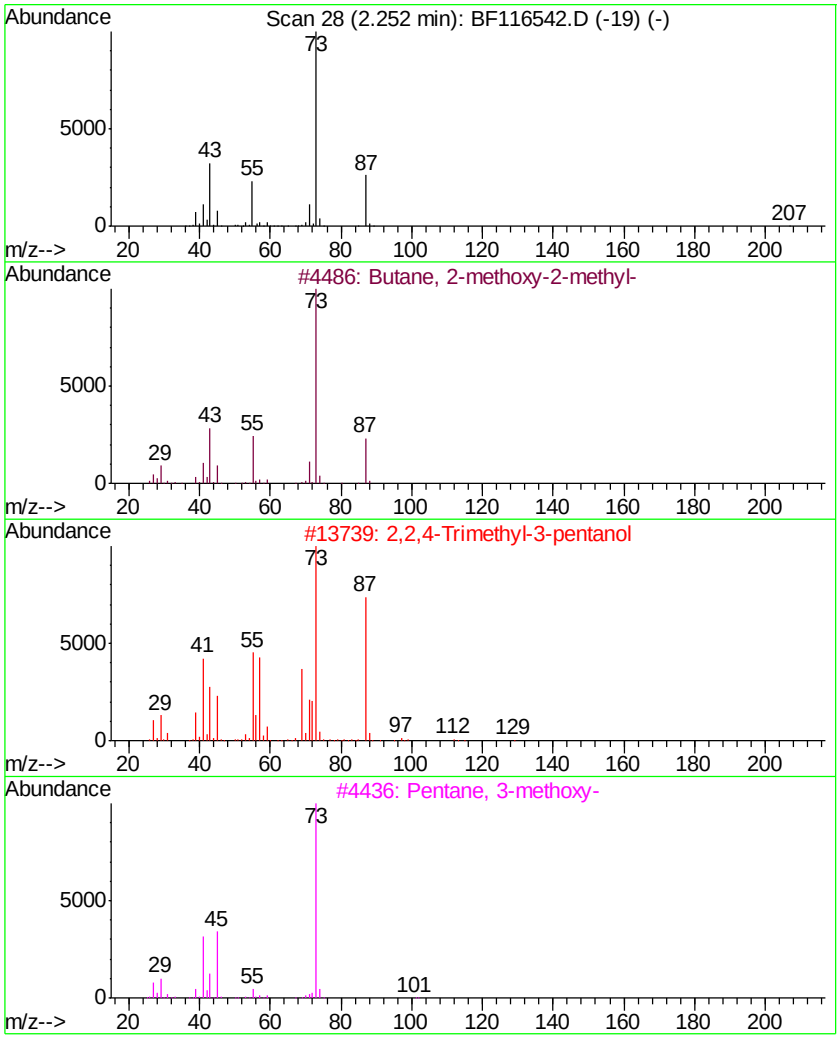
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

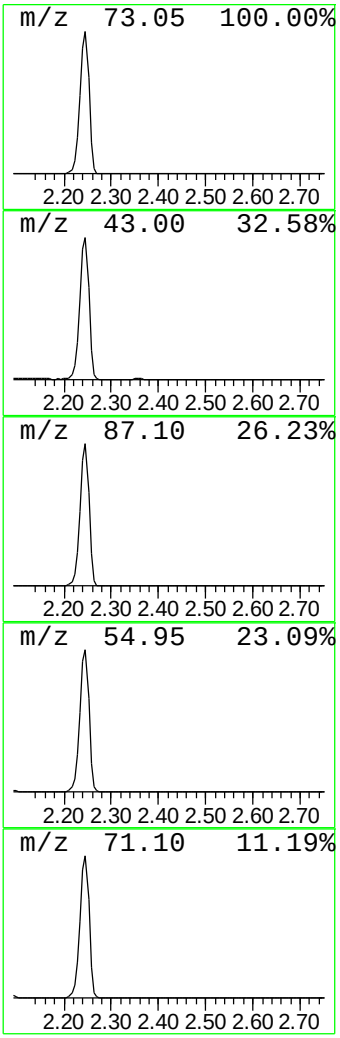
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.25	64.77 ng	2687690	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

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Data File : BF116542.D
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Operator : HP/JU
Sample : K4403-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

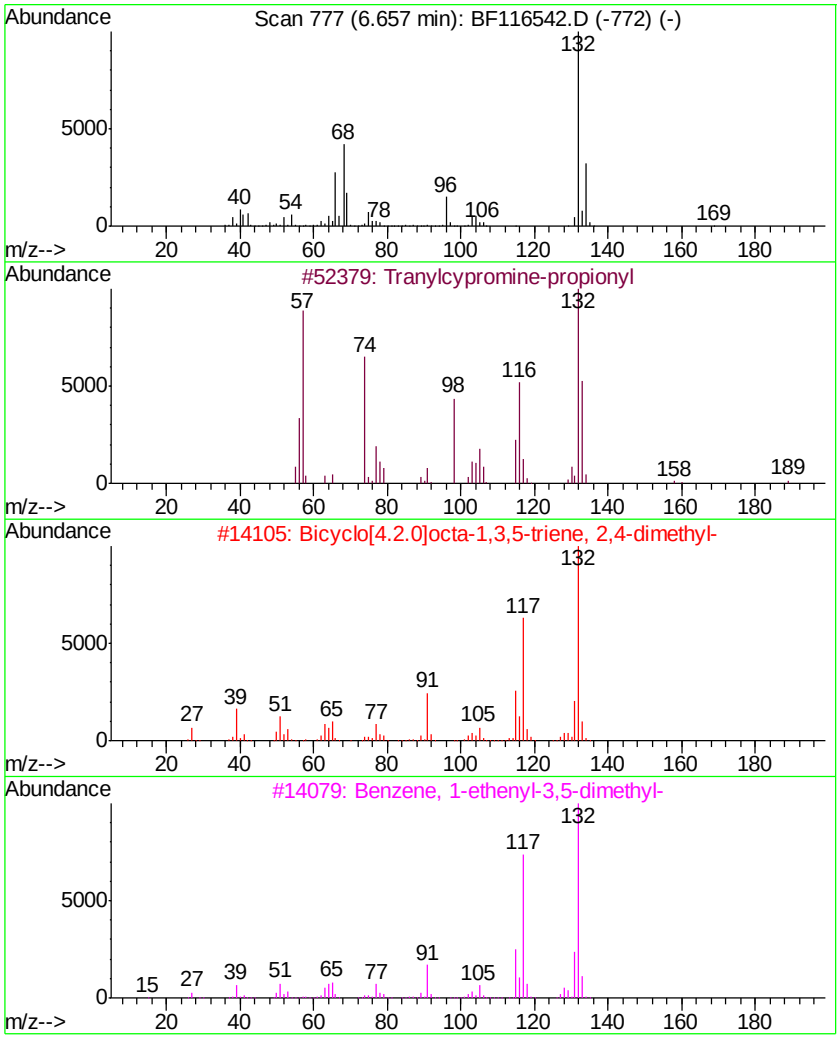
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

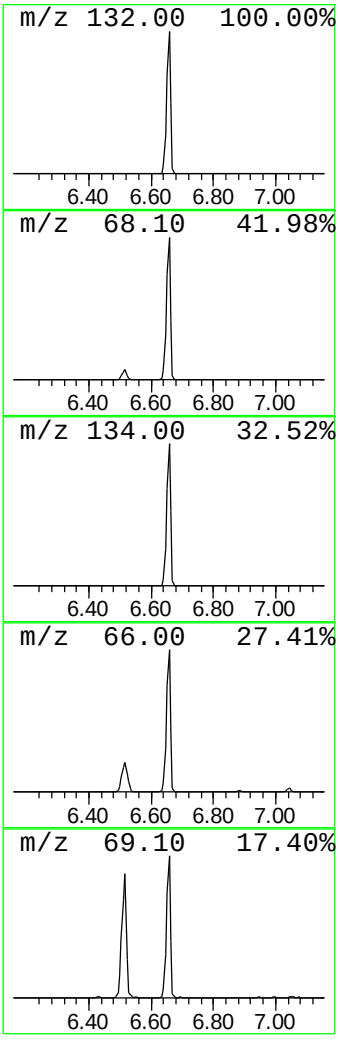
****

Peak Number 2 unknown6.66 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	58.87 ng	2442910	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
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Acq On : 25 Aug 2019 19:51
Operator : HP/JU
Sample : K4403-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

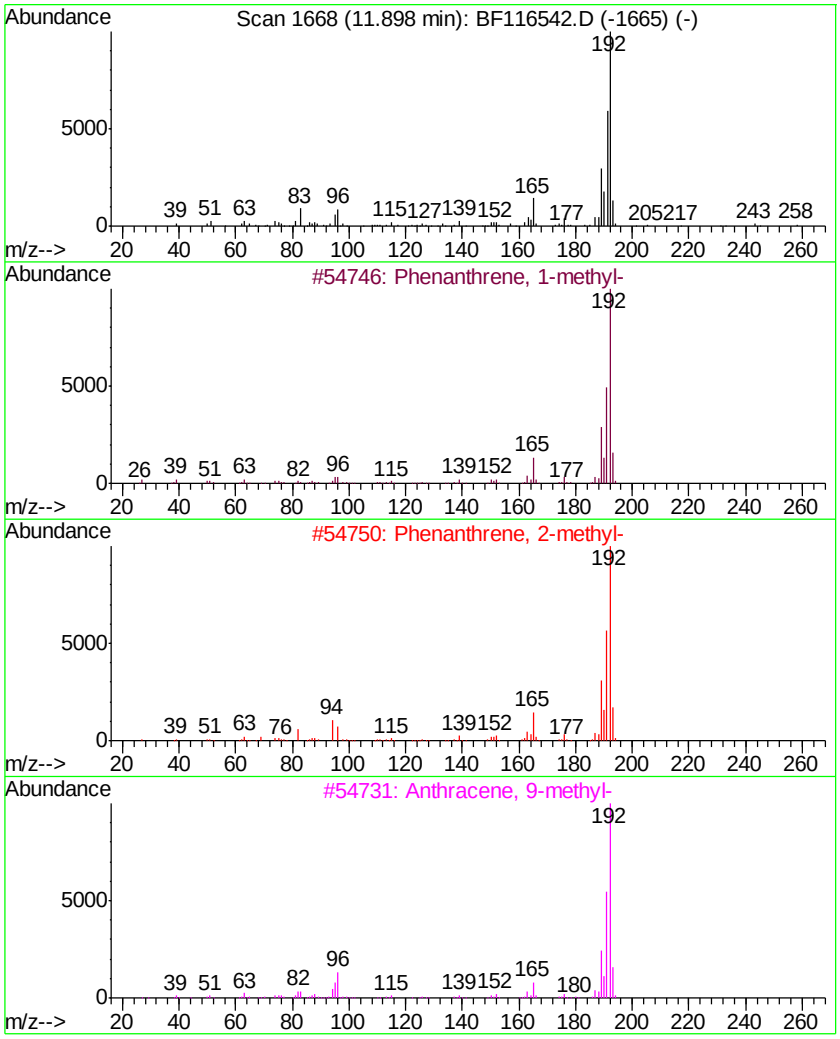
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

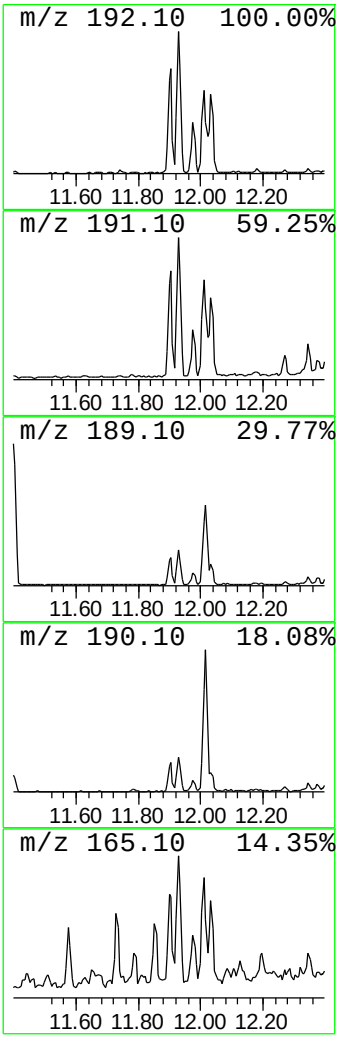
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.35 ng	111842	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116542.D
Acq On : 25 Aug 2019 19:51
Operator : HP/JU
Sample : K4403-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

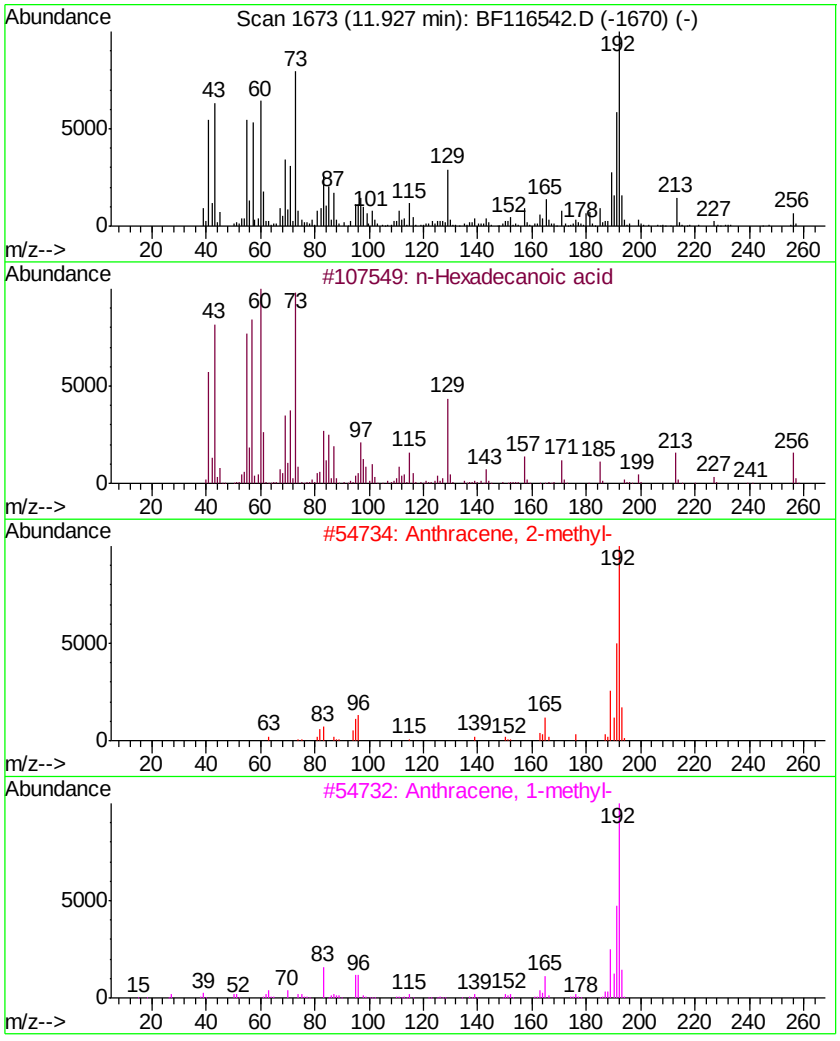
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

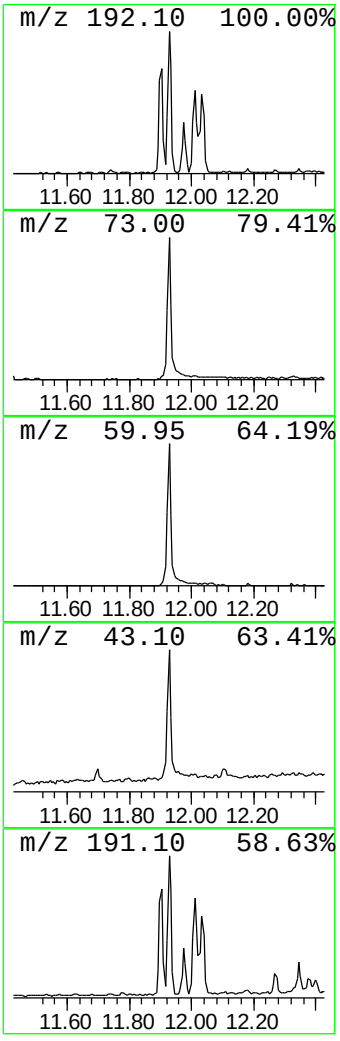
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	9.00 ng	428026	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89





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Operator : HP/JU
Sample : K4403-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

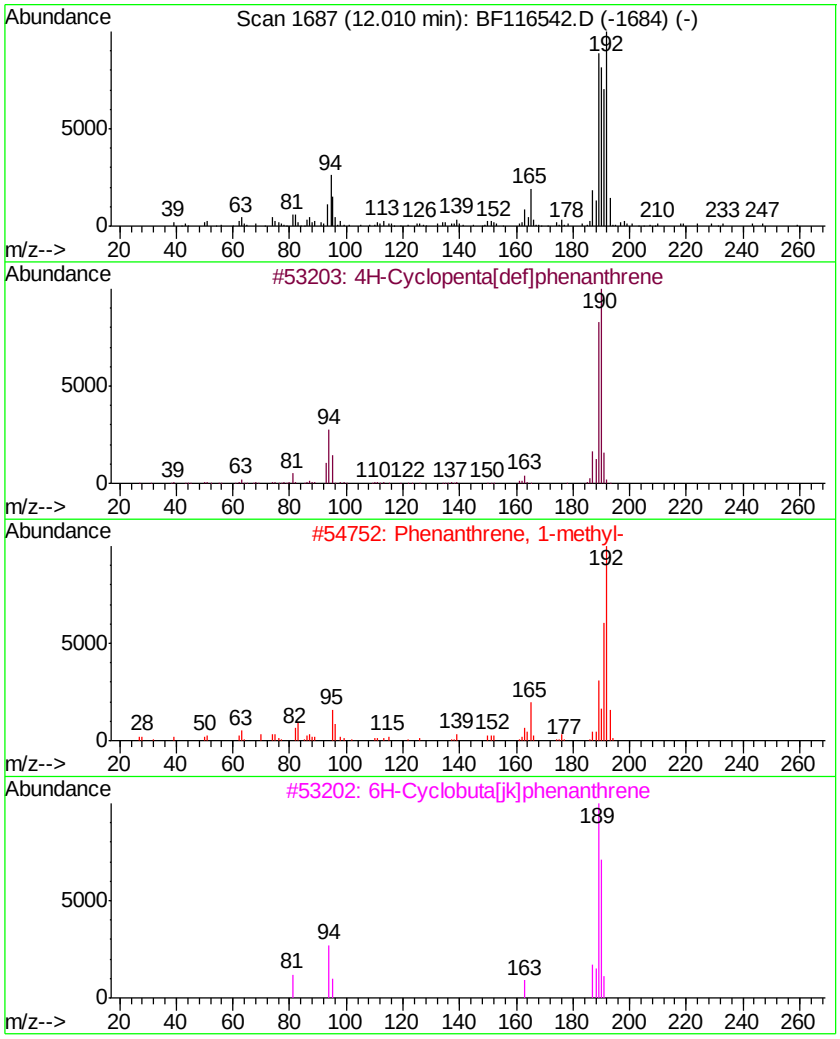
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

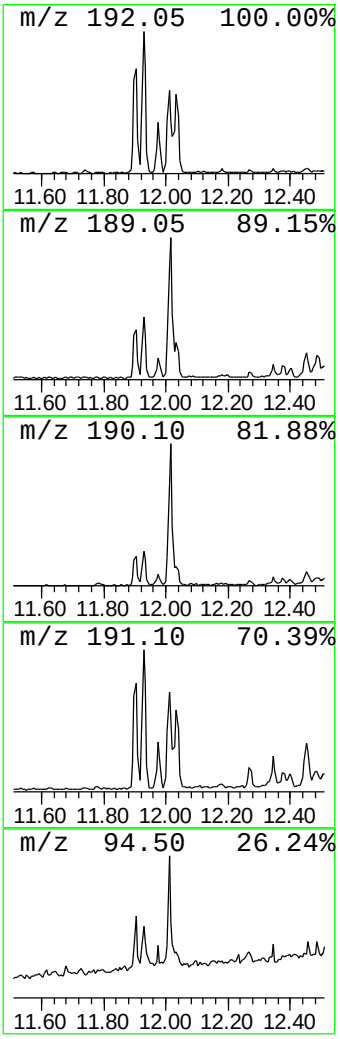
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	4.57 ng	217093	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

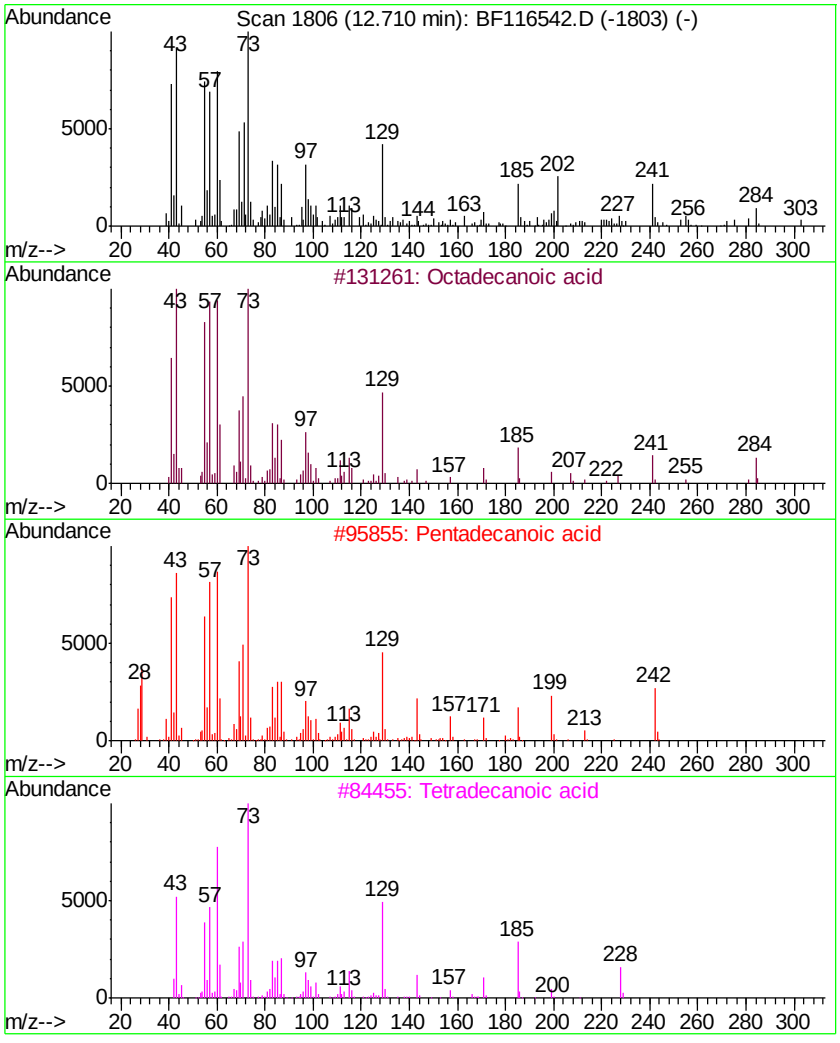
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

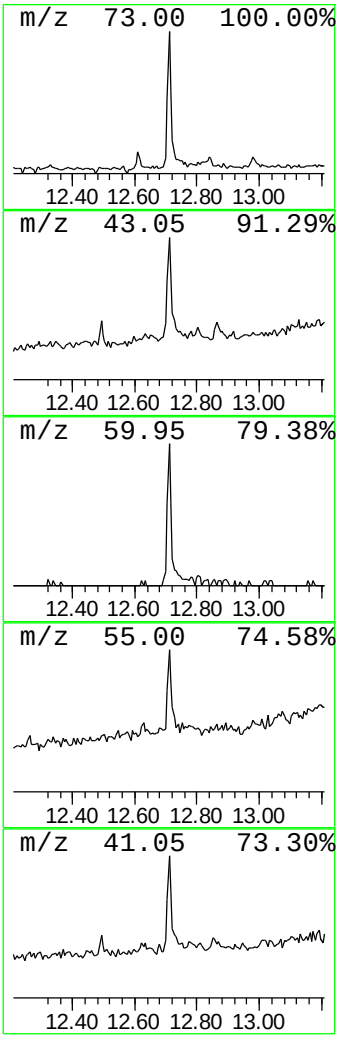
****

Peak Number 7 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	3.14 ng	149439	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	60





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Sample : K4403-13
Misc :
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Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

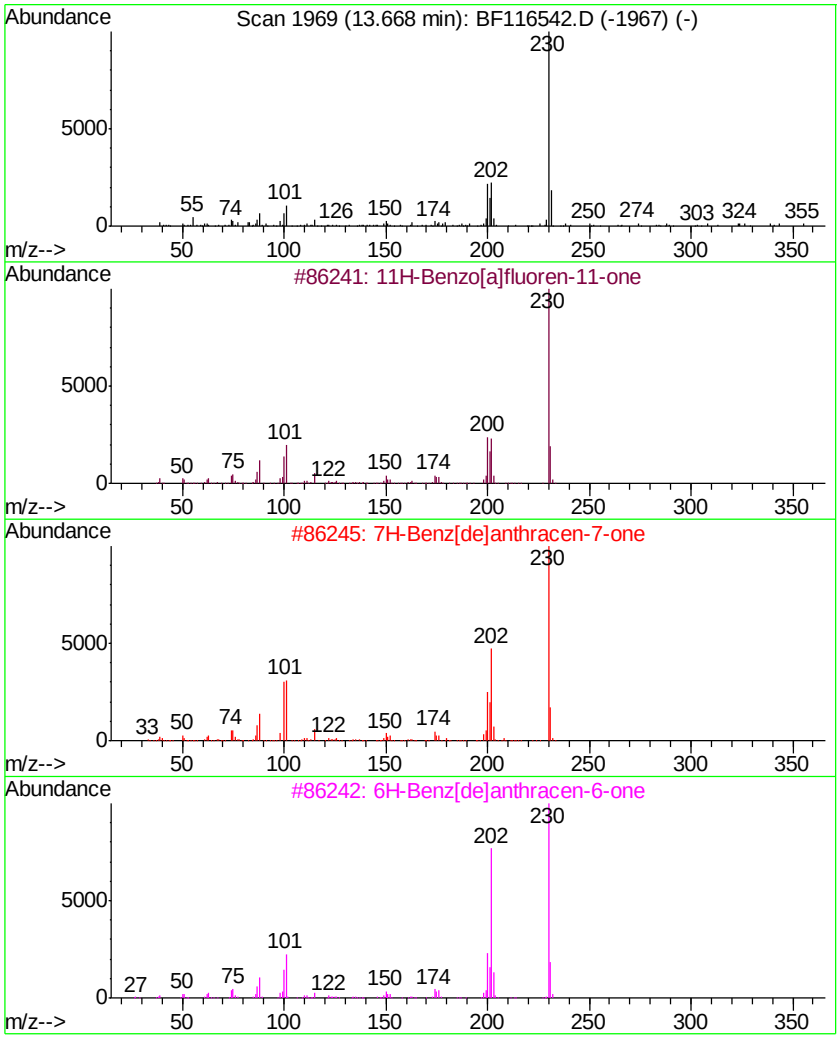
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

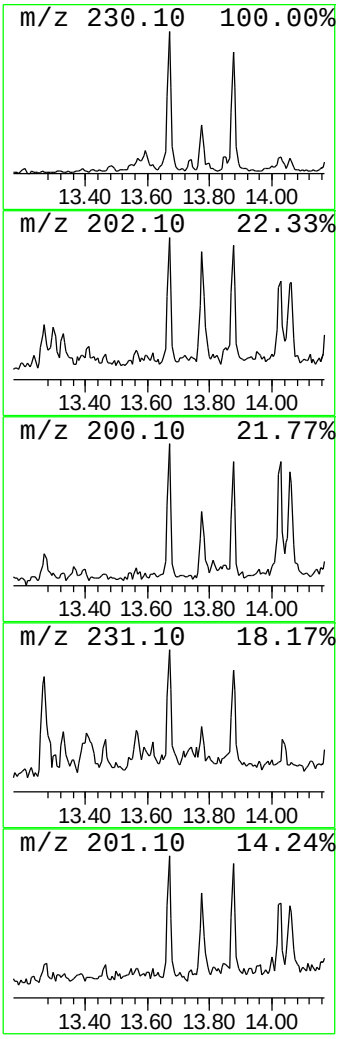
****

Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.10 ng	114779	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	87
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	56
5	o-Terphenyl	230	C18H14	000084-15-1	50





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ClientSampleId : T1-I-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

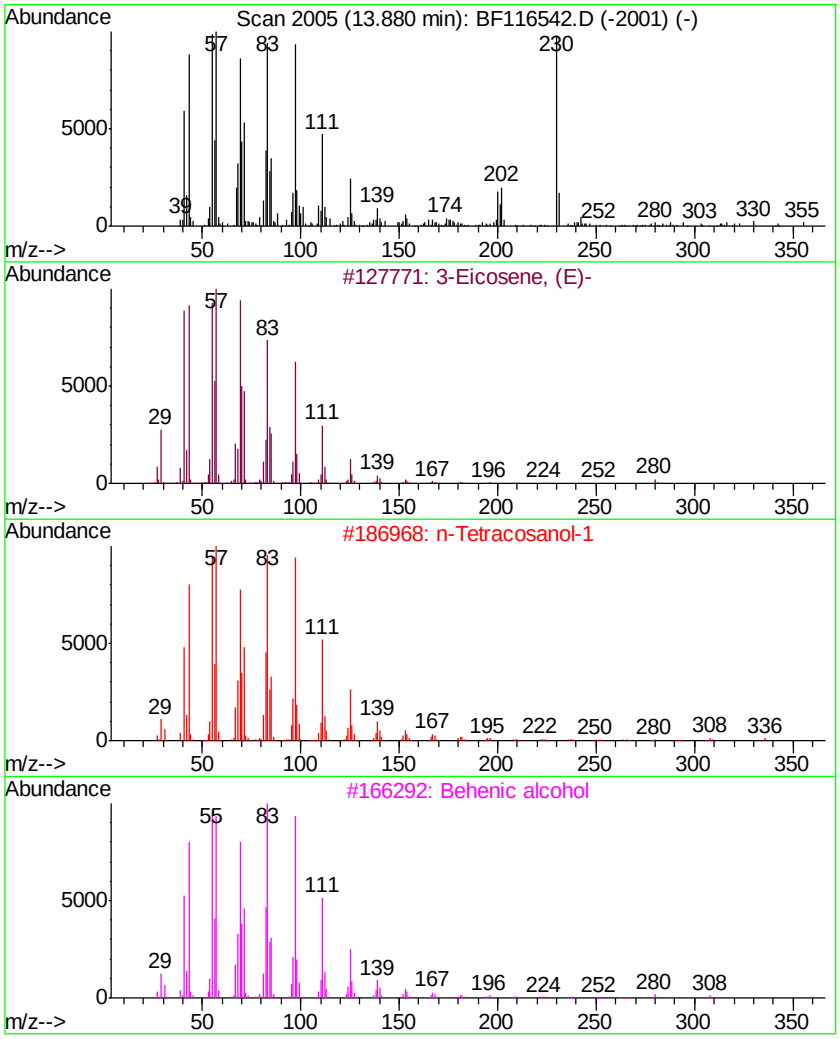
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

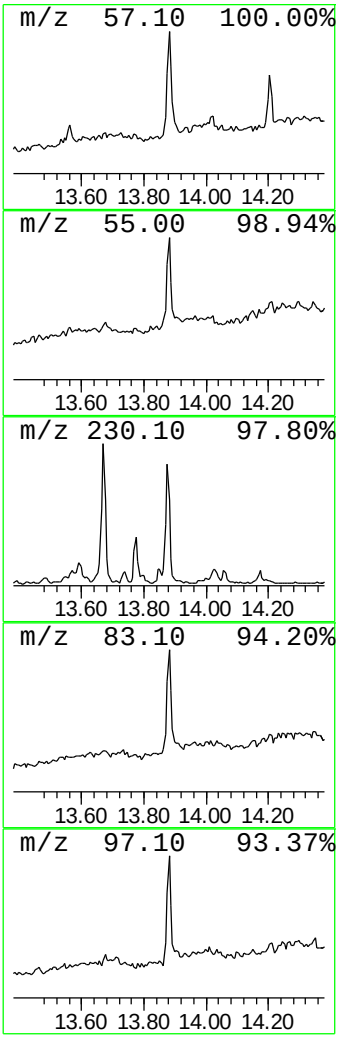
****

Peak Number 9 3-Eicosene, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	6.39 ng	349753	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	1-Heneicosanol	312	C21H44O	015594-90-8	90
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116542.D
Acq On : 25 Aug 2019 19:51
Operator : HP/JU
Sample : K4403-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

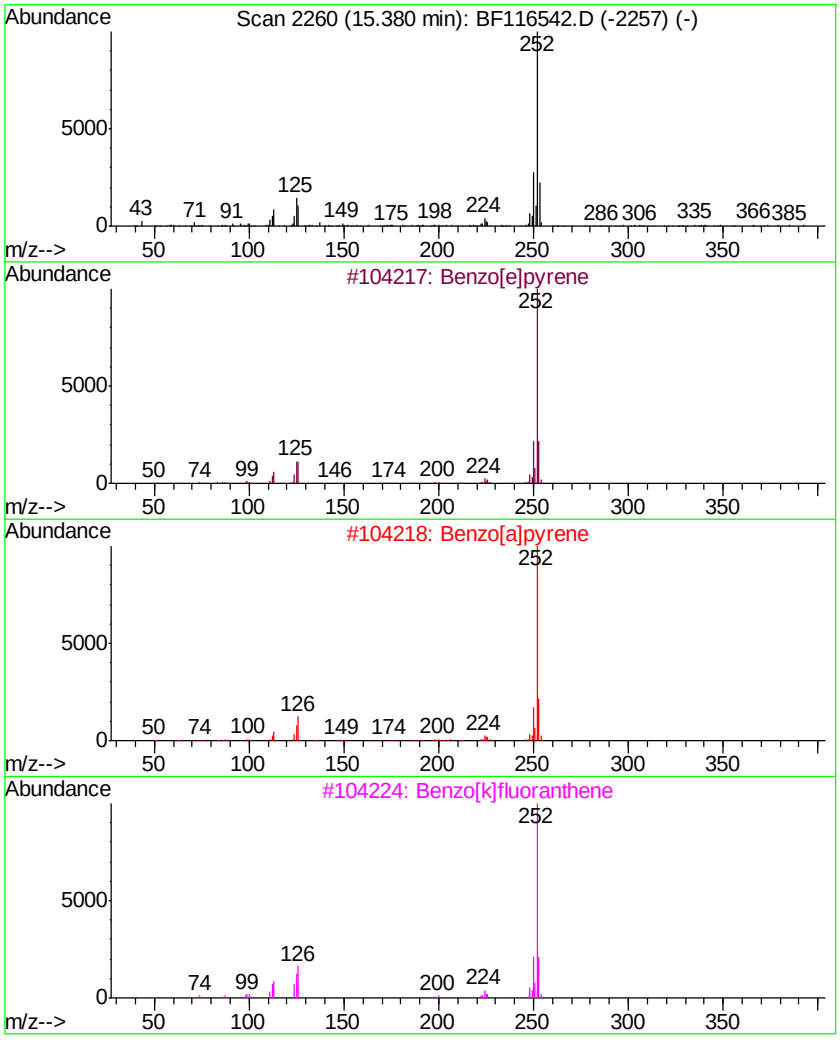
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

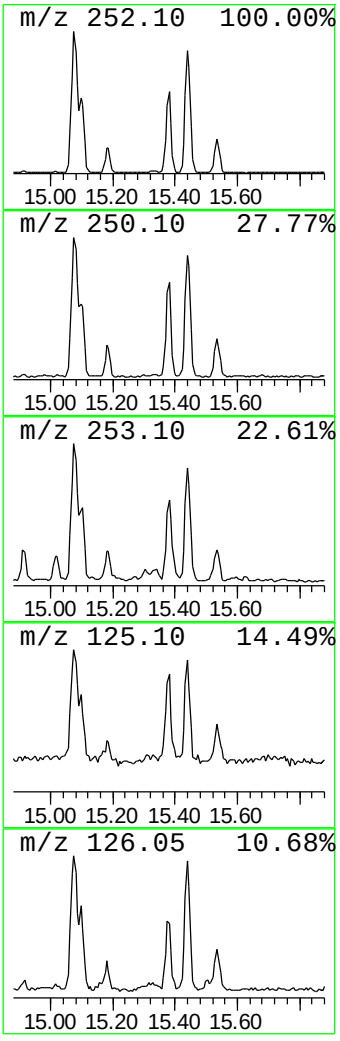
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	8.80 ng	244828	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082519\
Data File : BF116542.D
Acq On : 25 Aug 2019 19:51
Operator : HP/JU
Sample : K4403-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T1-I-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.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...	2.25	64.8	ng	2687690	1	6.89	829980	20.0
unknown6.66	6.66	58.9	ng	2442910	1	6.89	829980	20.0
Phenanthrene, 1-m...	11.90	2.4	ng	111842	4	11.40	950990	20.0
n-Hexadecanoic acid	11.93	9.0	ng	428026	4	11.40	950990	20.0
4H-Cyclopenta[def...	12.01	4.6	ng	217093	4	11.40	950990	20.0
Octadecanoic acid	12.71	3.1	ng	149439	4	11.40	950990	20.0
11H-Benzo[a]fluor...	13.67	2.1	ng	114779	5	14.03	1093990	20.0
3-Eicosene, (E)-	13.88	6.4	ng	349753	5	14.03	1093990	20.0
Benzo[e]pyrene	15.38	8.8	ng	244828	6	15.50	556454	20.0