LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

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-BF022020.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	2.799	114	121	129	rVB4	15095	33764	1.26%	0.129%
2	3.757	275	284	290	rBV2	19047	35492	1.32%	0.135%
3	4.951	480	487	492	rBV4	38705	63321	2.36%	0.241%
4	5.328	547	551	555	rBV	40662	48602	1.81%	0.185%
5	5.369	555	558	578	rVB	2372478	2318613	86.54%	8.839%
6	5.587	593	595	599	rBV	37205	42105	1.57%	0.161%
7	5.904	644	649	654	rBB3	25285	29115	1.09%	0.111%
8	5.998	663	665	672	rVB2	26824	32516	1.21%	0.124%
9	6.275	709	712	715	rBV2	28304	30117	1.12%	0.115%
10	6.387	727	731	746	rBV	2285525	2334903	87.14%	8.901%
11	6.569	760	762	770	rBV2	38390	54471	2.03%	0.208%
12	6.745	788	792	799	rVB	856803	768374	28.68%	2.929%
13	6.804	799	802	806	rBV3	27143	33003	1.23%	0.126%
14	6.898	814	818	822	rBV	2223139	2080816	77.66%	7.932%
15	7.022	833	839	843	rVB5	17056	30083	1.12%	0.115%
16	7.140	855	859	862	rBV2	32420	35238	1.32%	0.134%
17	7.304	883	887	893	rBV	1548789	1585218	59.16%	6.043%
18	7.345	893	894	898	rVV	37975	29602	1.10%	0.113%
19	7.392	898	902	906	rVB5	22776	28200	1.05%	0.108%
20	8.028	1005	1010	1012	rBV	1055345	1026103	38.30%	3.912%
21	8.045	1012	1013	1017	rVB	109094	81313	3.03%	0.310%
22	8.322	1052	1060	1063	rBV5	24203	33899	1.27%	0.129%
23	8.457	1078	1083	1086	rBV	55364	65572	2.45%	0.250%
24	8.622	1107	1111	1117	rBV	52141	48160	1.80%	0.184%
25	8.739	1128	1131	1134	rVB	128238	106034	3.96%	0.404%
26	8.834	1144	1147	1151	rBV	117243	112105	4.18%	0.427%
27	9.051	1181	1184	1188	rVB	37952	33900	1.27%	0.129%
28	9.098	1188	1192	1196	rBV	2907440	2679380	100.00%	10.214%
29	9.186	1204	1207	1213	rBV2	59581	71303	2.66%	0.272%
30	9.369	1233	1238	1241	rVB	42391	59561	2.22%	0.227%
31	9.439	1247	1250	1252	rBV	97630	96792	3.61%	0.369%
32	9.463	1252	1254	1256	rVV	80864	68112	2.54%	0.260%
33	9.492	1256	1259	1264	rVV	290217	289801	10.82%	1.105%
34	9.557	1267	1270	1274	rVB	52066	59986	2.24%	0.229%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.639	1281	1284	1288	rVB	30009	29348	1.10%	0.112%
36	9.716	1294	1297	1301	rVB	56798	46239	1.73%	0.176%
37	9.775	1301	1307	1311	rBV	1270929	1184931	44.22%	4.517%
38	9.886	1322	1326	1330	rVB	31098	39522	1.48%	0.151%
39	9.981	1339	1342	1345	rVB	70259	67067	2.50%	0.256%
40	10.022	1345	1349	1351	rBV	42125	39331	1.47%	0.150%
41	10.092	1359	1361	1364	rBV	53326	54766	2.04%	0.209%
42	10.122	1364	1366	1369	rVV	41912	39512	1.47%	0.151%
43	10.186	1372	1377	1379	rBV2	67181	81313	3.03%	0.310%
44	10.210	1379	1381	1385	rVB2	60716	52894	1.97%	0.202%
45	10.316	1396	1399	1402	rBV	77794	70607	2.64%	0.269%
46	10.433	1417	1419	1423	rVB3	38012	35033	1.31%	0.134%
47	10.481	1423	1427	1431	rVB2	52420	58552	2.19%	0.223%
48	10.563	1435	1441	1453	rVB	1682743	1652655	61.68%	6.300%
49	10.698	1458	1464	1469	rVB2	109270	156086	5.83%	0.595%
50	10.875	1489	1494	1496	rBV5	26622	35266	1.32%	0.134%
51	11.004	1511	1516	1524	rBV5	44888	99031	3.70%	0.378%
52	11.069	1524	1527	1530	rBV2	37431	39738	1.48%	0.151%
53	11.133	1535	1538	1540	rVV2	55919	56743	2.12%	0.216%
54	11.163	1540	1543	1554	rVB3	41617	61524	2.30%	0.235%
55	11.263	1556	1560	1562	rBV	1155515	1106049	41.28%	4.216%
56	11.280	1562	1563	1567	rVB	117497	88644	3.31%	0.338%
57	11.375	1575	1579	1581	rBV2	37321	43422	1.62%	0.166%
58	11.439	1585	1590	1594	rVB3	35081	69411	2.59%	0.265%
59	11.492	1597	1599	1602	rBV4	28574	37230	1.39%	0.142%
60	11.557	1608	1610	1612	rVB	47688	34146	1.27%	0.130%
61	11.592	1612	1616	1619	rBV3	30788	34203	1.28%	0.130%
62	11.763	1642	1645	1647	rBV	84851	77293	2.88%	0.295%
63	11.792	1647	1650	1653	rVV	256118	240024	8.96%	0.915%
64	11.869	1659	1663	1666	rBV	106013	105369	3.93%	0.402%
65	11.898	1666	1668	1672	rVB	64944	58211	2.17%	0.222%
66	11.963	1676	1679	1682	rBV2	52567	48977	1.83%	0.187%
67	11.992	1682	1684	1687	rVB	39483	37173	1.39%	0.142%
68	12.057	1687	1695	1699	rBV3	57555	128661	4.80%	0.490%
69	12.204	1718	1720	1723	rVB	37145	33086	1.23%	0.126%
70	12.239	1723	1726	1728	rVV	53817	48949	1.83%	0.187%
71	12.263	1728	1730	1733	rVB	45926	34801	1.30%	0.133%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.310	1735	1738	1741	rBV	125750	113351	4.23%	0.432%
73	12.351	1741	1745	1747	rVV2	82283	100484	3.75%	0.383%
74	12.398	1750	1753	1757	rVB2	43189	48352	1.80%	0.184%
75	12.475	1763	1766	1768	rBV	81095	74264	2.77%	0.283%
76	12.574	1780	1783	1790	rBV5	37964	69104	2.58%	0.263%
77	12.722	1806	1808	1811	rVB2	69724	57709	2.15%	0.220%
78	12.757	1811	1814	1818	rVB2	46691	48834	1.82%	0.186%
79	12.839	1824	1828	1832	rBV	2259044	2049102	76.48%	7.811%
80	12.916	1838	1841	1843	rBV3	41144	40413	1.51%	0.154%
81	12.974	1849	1851	1854	rBV4	29840	29549	1.10%	0.113%
82	13.004	1854	1856	1858	rVV3	36842	41380	1.54%	0.158%
83	13.027	1858	1860	1863	rVB	45400	40882	1.53%	0.156%
84	13.074	1866	1868	1871	rVV	50248	45581	1.70%	0.174%
85	13.133	1873	1878	1882	rVB3	27779	44406	1.66%	0.169%
86	13.422	1923	1927	1930	rBV2	51030	71144	2.66%	0.271%
87	13.545	1945	1948	1951	rVB2	45128	47446	1.77%	0.181%
88	13.651	1964	1966	1972	rVB	25889	29873	1.11%	0.114%
89	13.745	1979	1982	1987	rVB2	102803	123696	4.62%	0.472%
90	13.898	2004	2008	2015	rBV	973633	958763	35.78%	3.655%
91	13.986	2021	2023	2026	rVB	34955	32654	1.22%	0.124%
92	14.063	2033	2036	2039	rVB3	54624	50564	1.89%	0.193%
93	14.286	2069	2074	2077	rVB3	48018	64315	2.40%	0.245%
94	14.363	2084	2087	2092	rVB3	69363	89319	3.33%	0.340%
95	14.663	2135	2138	2141	rVB2	62794	49248	1.84%	0.188%
96	14.733	2147	2150	2154	rBV2	132849	125440	4.68%	0.478%
97	14.980	2189	2192	2198	rVB	81857	100002	3.73%	0.381%
98	15.327	2246	2251	2258	rBV	718455	970242	36.21%	3.699%
99	15.745	2319	2322	2327	rVB2	52057	79820	2.98%	0.304%
100	15.974	2358	2361	2367	rVB4	37840	64668	2.41%	0.247%

Sum of corrected areas: 26231986

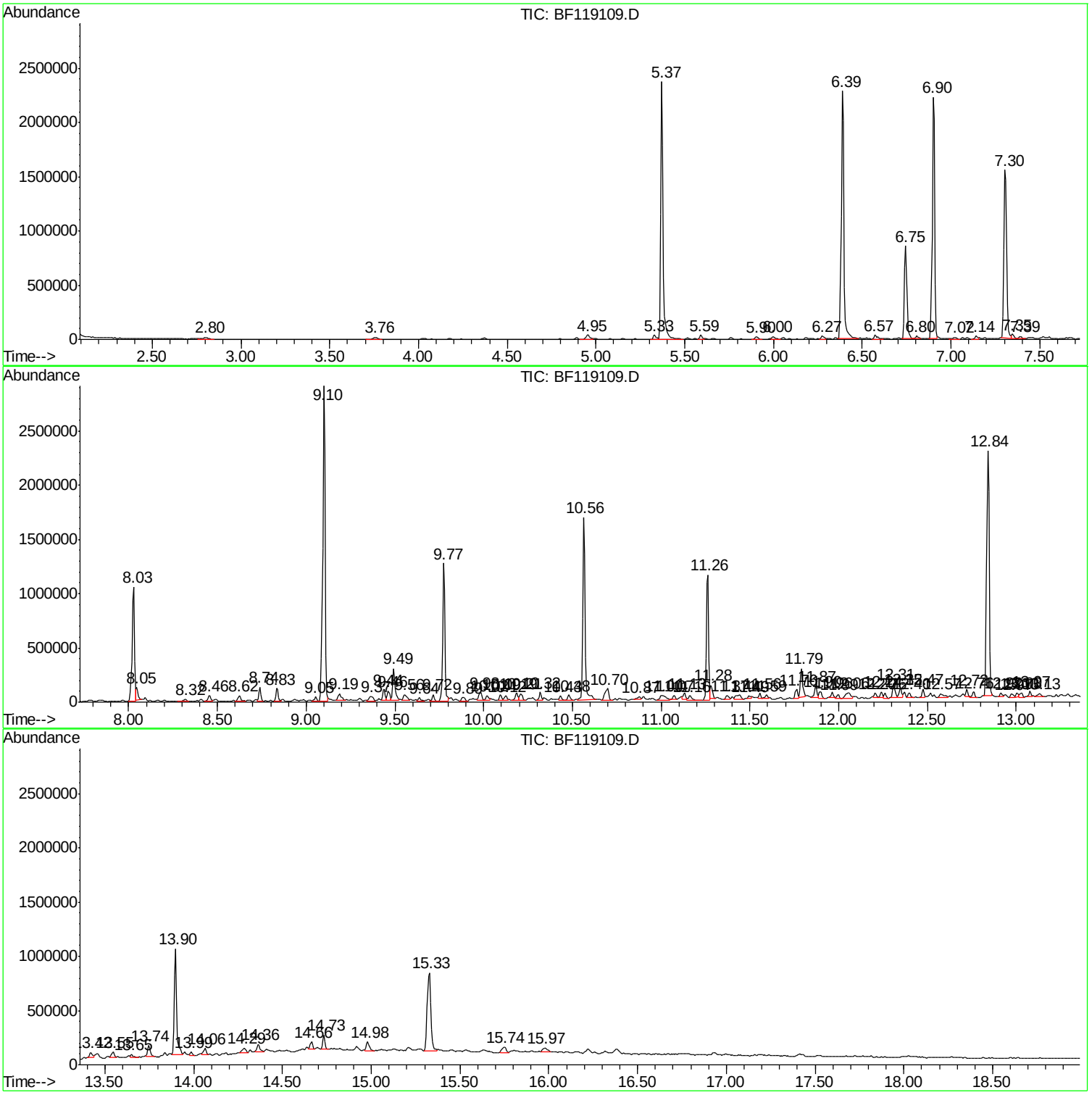
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF022720\
Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

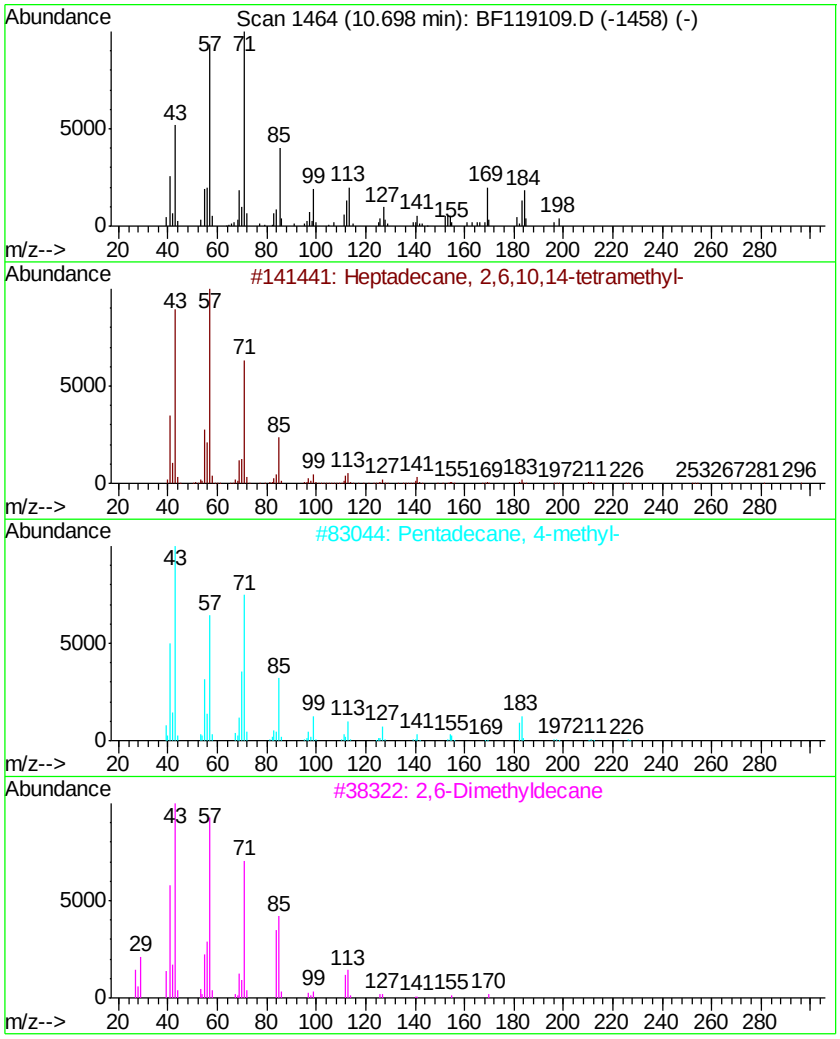
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

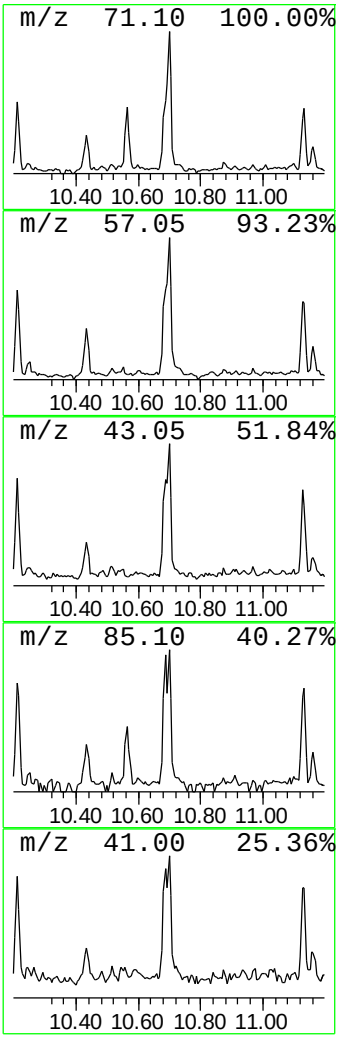
****

Peak Number 2 Heptadecane, 2,6,10,14-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	2.82 ng	156086	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
2	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	64
3	2,6-Dimethyldecane	170	C12H26	013150-81-7	58
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	58
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

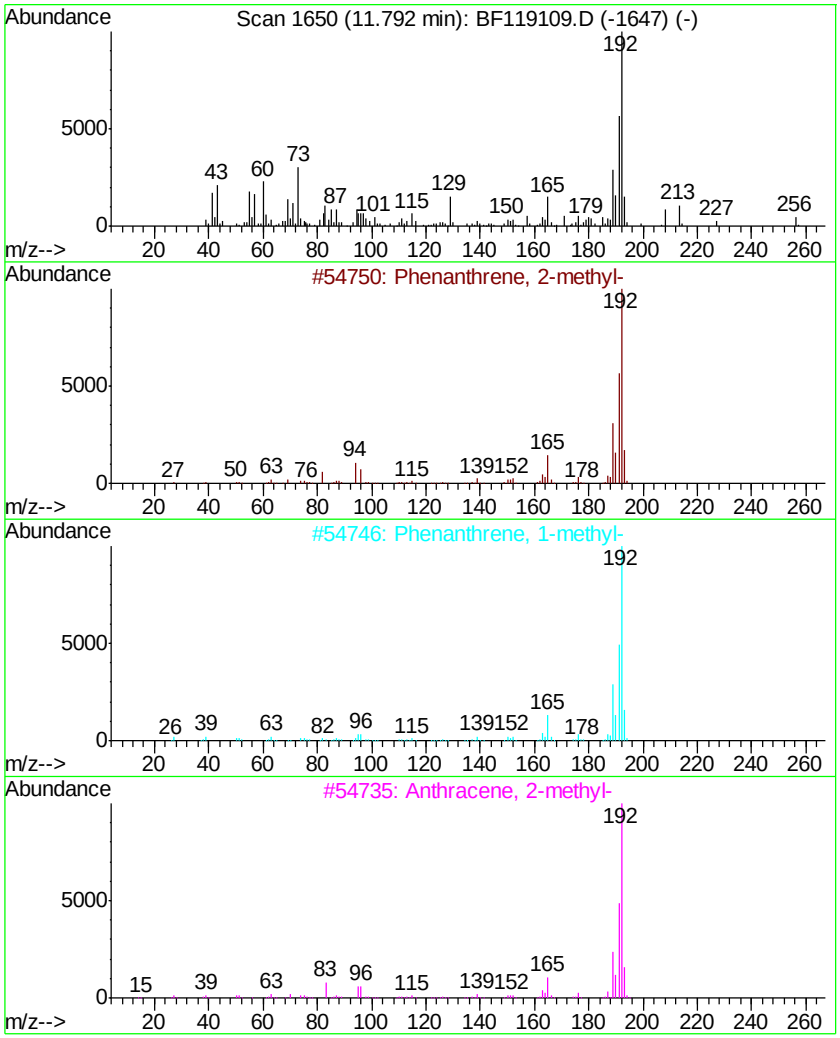
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

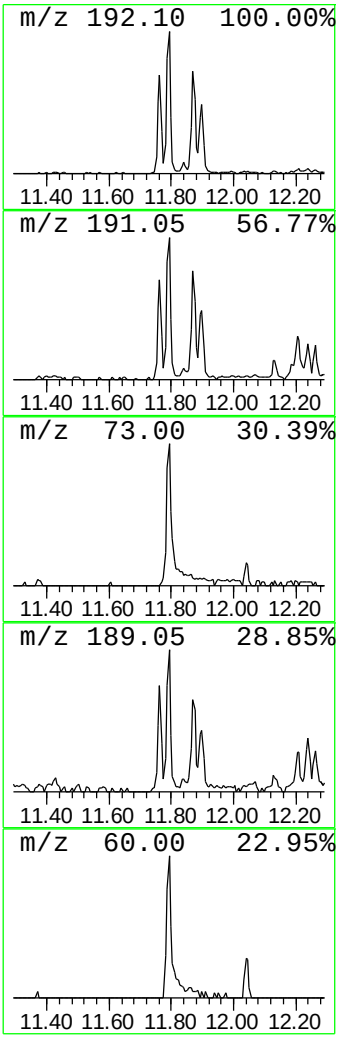
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	4.34 ng	240024	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
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Instrument : BNA_F
ClientSampleId : GP-04-022420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

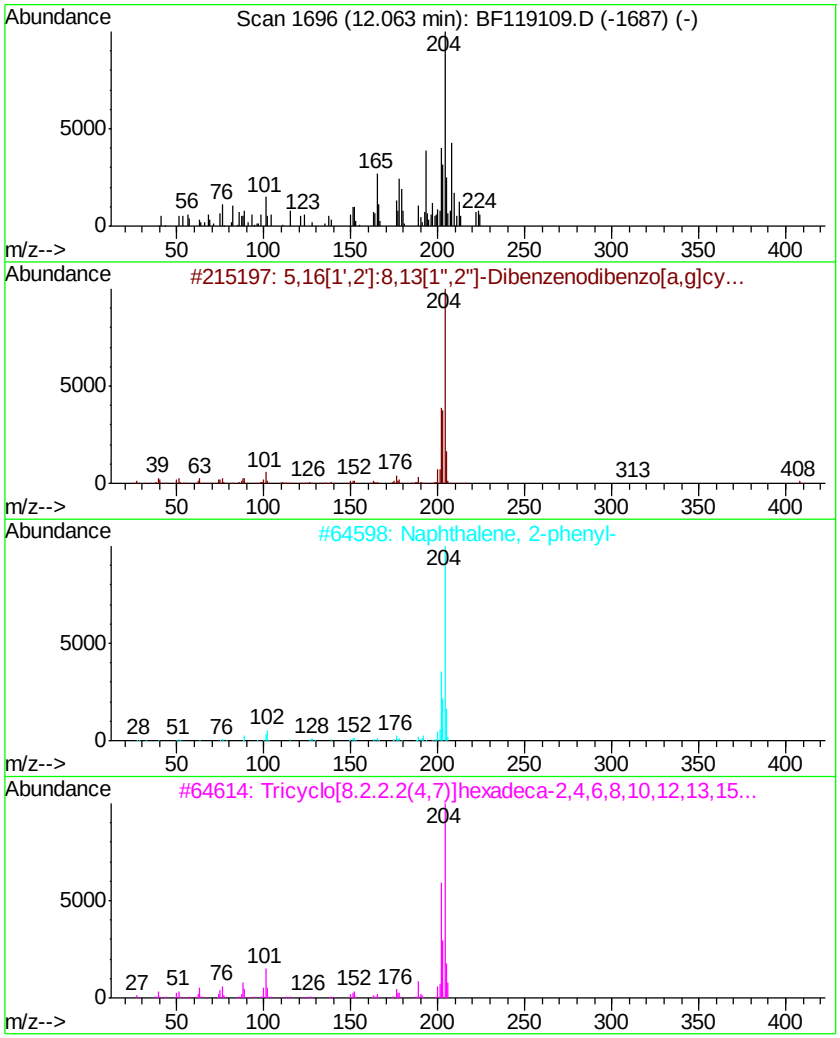
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

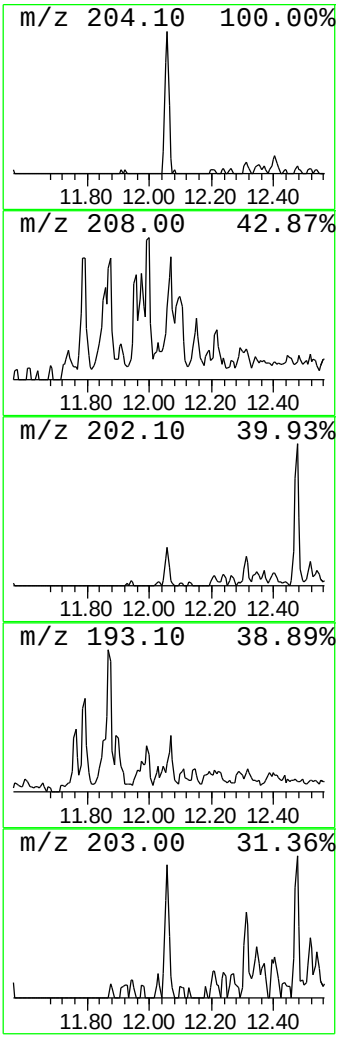
****

Peak Number 4 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	2.33 ng	128661	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	50
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

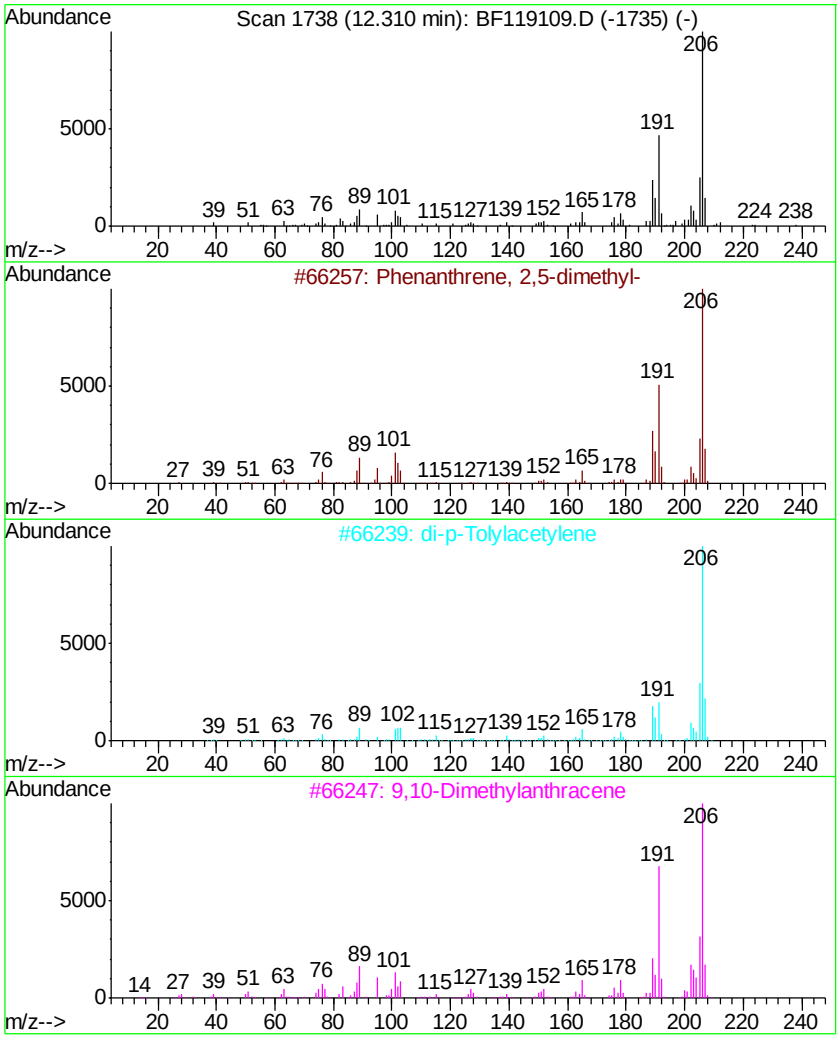
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

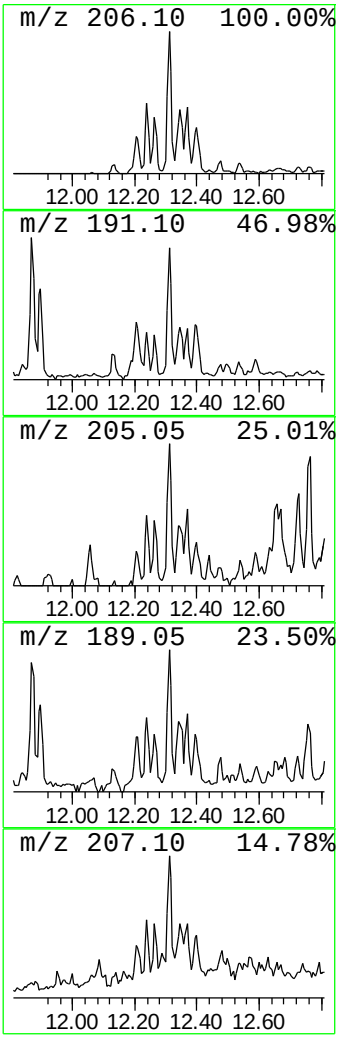
****

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	2.05 ng	113351	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

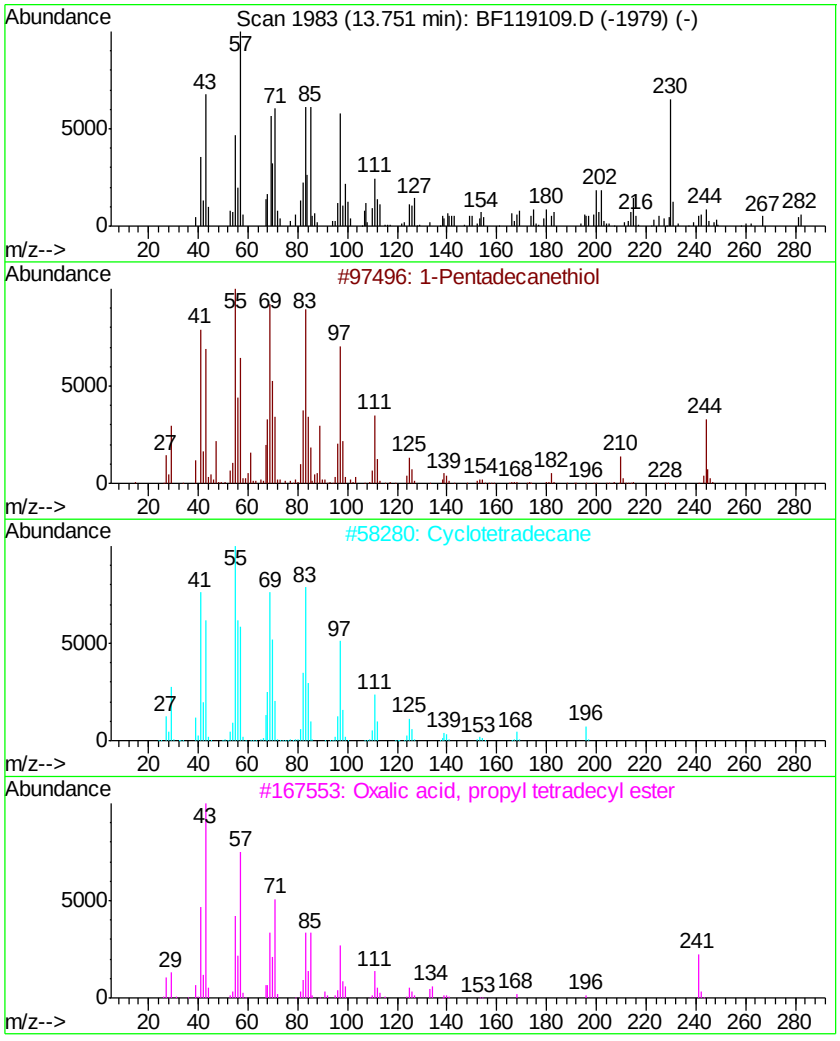
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

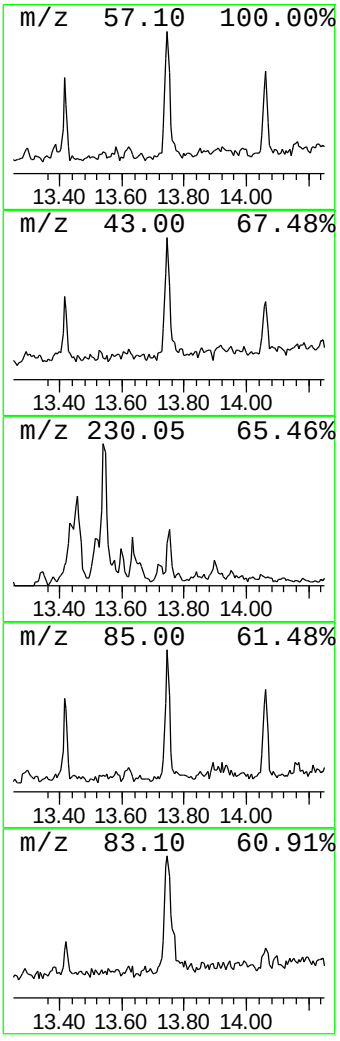
****

Peak Number 6 1-Pentadecanethiol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.58 ng	123696	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentadecanethiol	244	C15H32S	025276-70-4	90
2	Cyclotetradecane	196	C14H28	000295-17-0	89
3	Oxalic acid, propyl tetradecyl e...	328	C19H36O4	1000309-26-7	83
4	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	83
5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	74





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Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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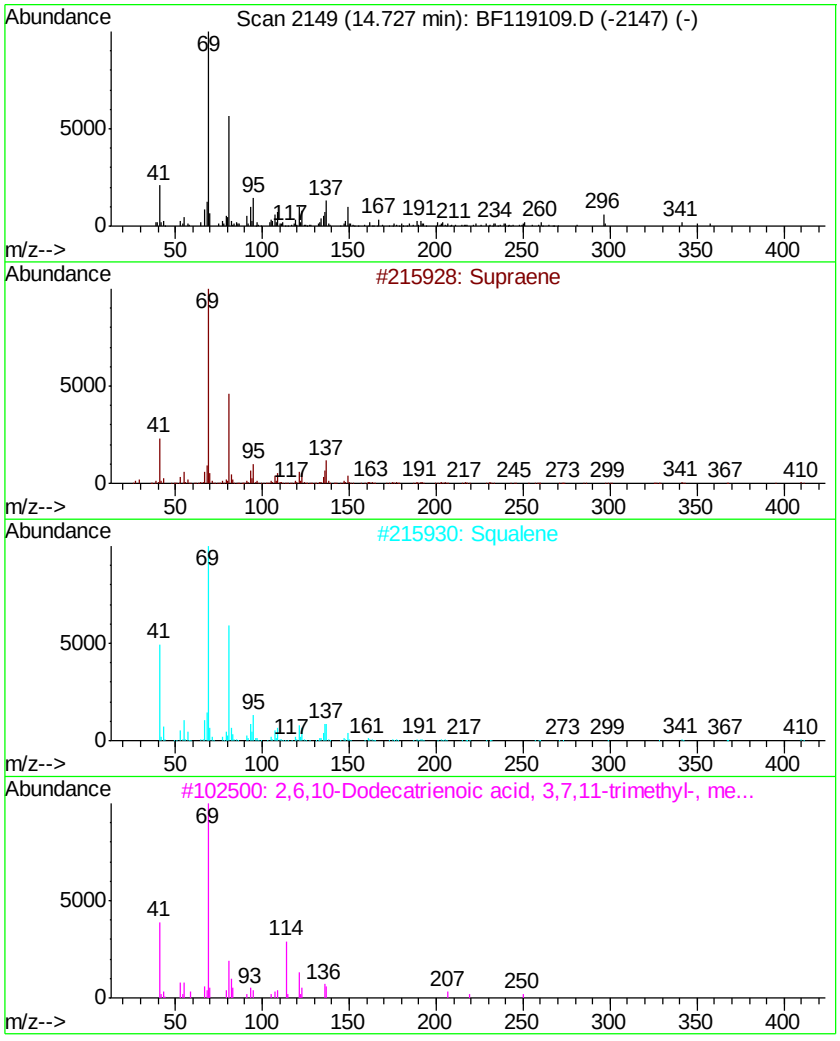
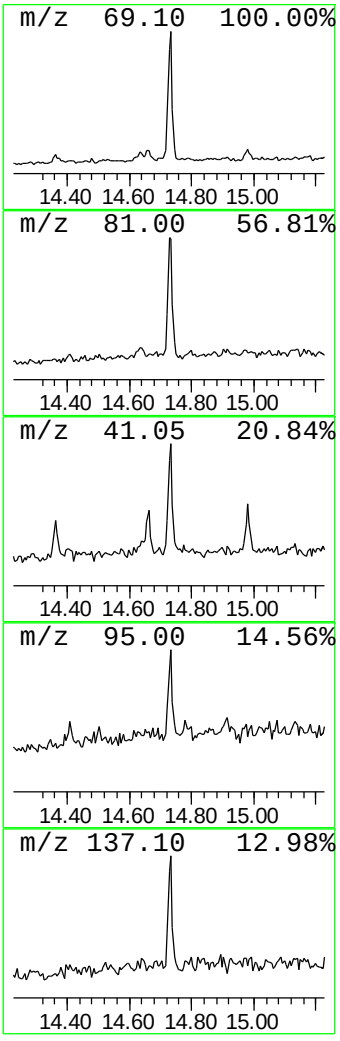
Peak Number 7 Supraene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	2.59 ng	125440	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	74
2	Squalene	410	C30H50	000111-02-4	68
3	2,6,10-Dodecatrienoic acid, 3,7,...	250	C16H26O2	003675-00-1	58
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	53
5	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	53





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Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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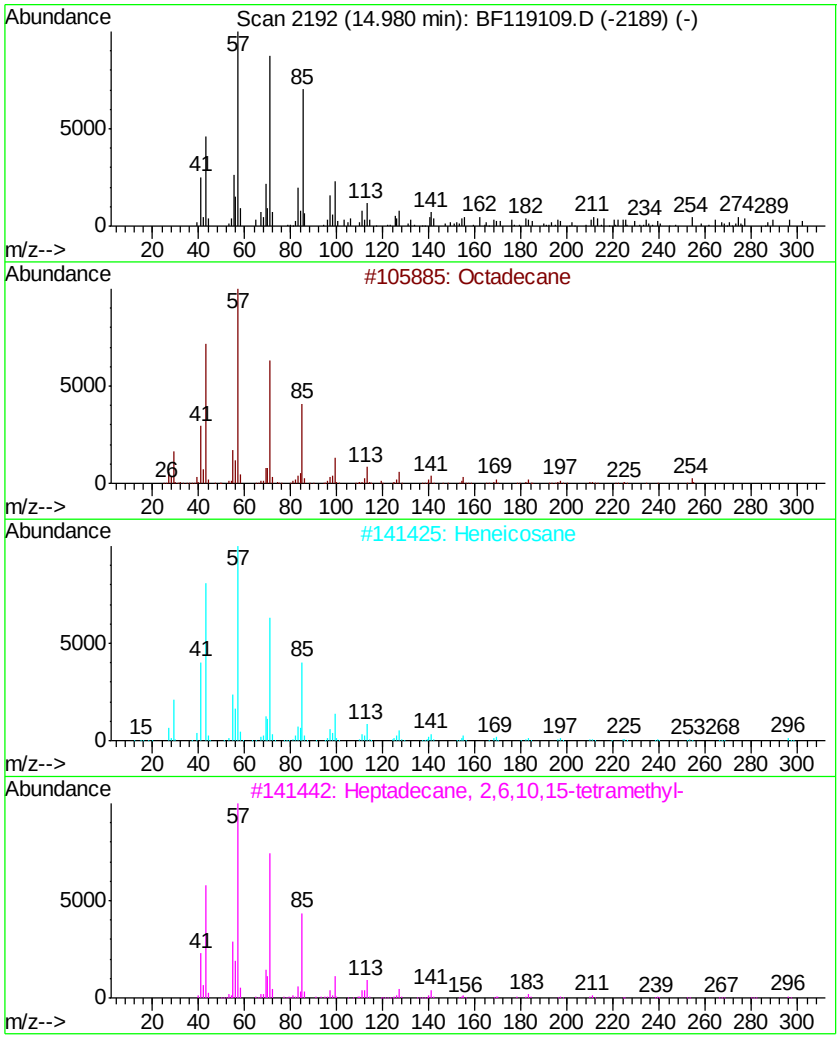
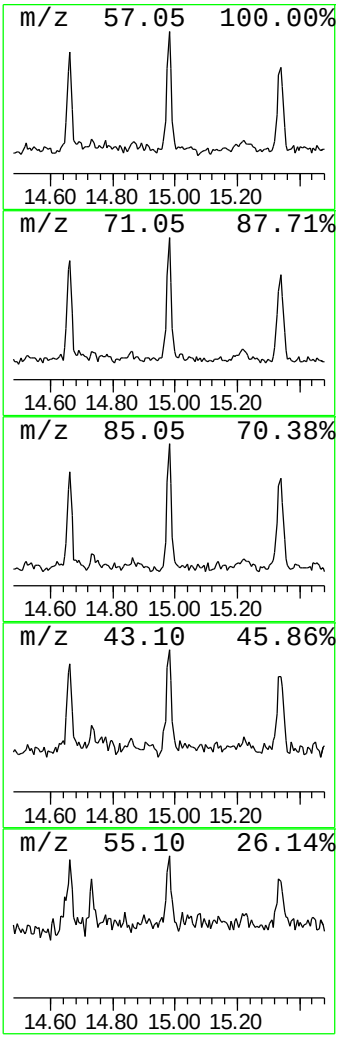
Peak Number 8 Octadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	2.06 ng	100002	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Heneicosane	296	C21H44	000629-94-7	90
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	76
4	Octacosane	394	C28H58	000630-02-4	74
5	Hexacosane	366	C26H54	000630-01-3	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022720\
Data File : BF119109.D
Acq On : 27 Feb 2020 14:43
Operator : CG/JU
Sample : L1688-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-04-022420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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
Heptadecane, 2,6,...	10.70	2.8	ng	156086	4	11.26	1106050	20.0
Phenanthrene, 2-m...	11.79	4.3	ng	240024	4	11.26	1106050	20.0
5,16[1',2']:8,13[...	12.06	2.3	ng	128661	4	11.26	1106050	20.0
Phenanthrene, 2,5...	12.31	2.0	ng	113351	4	11.26	1106050	20.0
1-Pentadecanethiol	13.75	2.6	ng	123696	5	13.90	958763	20.0
Supraene	14.73	2.6	ng	125440	6	15.33	970242	20.0
Octadecane	14.98	2.1	ng	100002	6	15.33	970242	20.0