LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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	4.922	479	482	492	rBV	86859	121562	8.45%	0.519%
2	5.357	553	556	579	rBV	837118	1180875	82.06%	5.039%
3	5.557	587	590	600	rVB2	12907	20723	1.44%	0.088%
4	6.381	727	730	757	rBV	899463	1197923	83.24%	5.112%
5	6.563	757	761	766	rBV2	29075	30006	2.09%	0.128%
6	6.722	785	788	799	rBV	736980	702581	48.82%	2.998%
7	6.881	811	815	830	rBV	1191346	1111631	77.24%	4.743%
8	6.992	830	834	839	rBV2	22761	30187	2.10%	0.129%
9	7.292	882	885	893	rBV	680664	740529	51.46%	3.160%
10	7.810	968	973	977	rVB2	14442	16353	1.14%	0.070%
11	8.004	1003	1006	1016	rBV	910849	965552	67.09%	4.120%
12	8.227	1037	1044	1050	rBV	25182	31322	2.18%	0.134%
13	8.286	1050	1054	1059	rVV	18602	24018	1.67%	0.102%
14	8.722	1125	1128	1136	rVB2	31568	40214	2.79%	0.172%
15	8.822	1142	1145	1149	rVB	31471	27838	1.93%	0.119%
16	9.080	1185	1189	1199	rBV	1657139	1439108	100.00%	6.141%
17	9.163	1199	1203	1205	rBV2	22237	20466	1.42%	0.087%
18	9.351	1228	1235	1238	rBV3	20322	27032	1.88%	0.115%
19	9.422	1243	1247	1249	rBV	40642	39689	2.76%	0.169%
20	9.480	1253	1257	1264	rVV	193925	234133	16.27%	0.999%
21	9.539	1264	1267	1274	rVB2	26714	32681	2.27%	0.139%
22	9.622	1278	1281	1285	rBV	134441	118789	8.25%	0.507%
23	9.692	1290	1293	1297	rVB	31957	29270	2.03%	0.125%
24	9.757	1300	1304	1308	rVV	1045725	906214	62.97%	3.867%
25	9.792	1308	1310	1314	rVB	63064	58185	4.04%	0.248%
26	9.869	1319	1323	1327	rVB3	12767	17962	1.25%	0.077%
27	9.916	1327	1331	1335	rBV4	20127	28026	1.95%	0.120%
28	9.969	1335	1340	1343	rVV3	39143	59579	4.14%	0.254%
29	10.004	1343	1346	1350	rVB3	29648	36128	2.51%	0.154%
30	10.074	1355	1358	1361	rBV2	30940	33506	2.33%	0.143%
31	10.163	1370	1373	1375	rBV3	20662	27215	1.89%	0.116%
32	10.186	1375	1377	1380	rVB	68938	53699	3.73%	0.229%
33	10.216	1380	1382	1385	rBV2	17352	17784	1.24%	0.076%
34	10.310	1394	1398	1402	rVB2	54432	60753	4.22%	0.259%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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	10.410	1410	1415	1419	rBV3	47155	65639	4.56%	0.280%
36	10.463	1421	1424	1427	rVB3	26780	29230	2.03%	0.125%
37	10.551	1436	1439	1446	rBV	718905	722597	50.21%	3.083%
38	10.657	1454	1457	1459	rBV2	149592	165613	11.51%	0.707%
39	10.780	1475	1478	1483	rBV5	18602	26713	1.86%	0.114%
40	10.857	1487	1491	1494	rBV4	35172	52933	3.68%	0.226%
41	10.886	1494	1496	1499	rVB2	38260	30646	2.13%	0.131%
42	10.939	1503	1505	1508	rBV3	18375	23037	1.60%	0.098%
43	10.986	1511	1513	1515	rBV2	39286	36239	2.52%	0.155%
44	11.063	1523	1526	1529	rBV4	30231	36658	2.55%	0.156%
45	11.104	1529	1533	1536	rVV2	154524	156915	10.90%	0.670%
46	11.139	1536	1539	1545	rVB2	104401	129375	8.99%	0.552%
47	11.245	1553	1557	1559	rBV	908017	791422	54.99%	3.377%
48	11.268	1559	1561	1567	rVV	566721	499526	34.71%	2.132%
49	11.321	1567	1570	1573	rVB	169577	142020	9.87%	0.606%
50	11.486	1593	1598	1601	rBV3	76473	98259	6.83%	0.419%
51	11.533	1603	1606	1609	rVV	137820	130346	9.06%	0.556%
52	11.580	1611	1614	1619	rVB2	61136	82212	5.71%	0.351%
53	11.745	1639	1642	1645	rBV	154601	140703	9.78%	0.600%
54	11.774	1645	1647	1653	rVV	211339	193255	13.43%	0.825%
55	11.827	1653	1656	1658	rVV	71397	65460	4.55%	0.279%
56	11.857	1658	1661	1663	rVV	229912	218947	15.21%	0.934%
57	11.880	1663	1665	1668	rVB	122898	105170	7.31%	0.449%
58	11.939	1672	1675	1680	rBV2	101082	122841	8.54%	0.524%
59	12.039	1689	1692	1696	rVV	73662	66267	4.60%	0.283%
60	12.086	1698	1700	1703	rVB2	55052	43156	3.00%	0.184%
61	12.186	1715	1717	1720	rBV	53255	48186	3.35%	0.206%
62	12.221	1720	1723	1726	rVB2	84711	78028	5.42%	0.333%
63	12.251	1726	1728	1731	rVB	36420	28575	1.99%	0.122%
64	12.298	1732	1736	1738	rBV	141079	137699	9.57%	0.588%
65	12.327	1738	1741	1744	rVV3	97099	109578	7.61%	0.468%
66	12.380	1747	1750	1751	rVV3	45534	45574	3.17%	0.194%
67	12.392	1751	1752	1755	rVB	66650	55163	3.83%	0.235%
68	12.457	1760	1763	1768	rBV	883071	793616	55.15%	3.386%
69	12.557	1777	1780	1786	rVB	54255	64156	4.46%	0.274%
70	12.610	1786	1789	1792	rVV2	71105	76855	5.34%	0.328%
71	12.686	1796	1802	1808	rVV	889138	1009674	70.16%	4.308%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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	12.745	1809	1812	1815	rVB2	70098	84026	5.84%	0.359%
73	12.821	1821	1825	1829	rBV	1279163	1140922	79.28%	4.868%
74	12.910	1836	1840	1846	rBV3	117809	203205	14.12%	0.867%
75	13.004	1851	1856	1861	rBV3	199410	364559	25.33%	1.556%
76	13.080	1867	1869	1872	rBV	94064	91943	6.39%	0.392%
77	13.121	1873	1876	1883	rVB2	151846	180748	12.56%	0.771%
78	13.215	1889	1892	1894	rBV	121453	110505	7.68%	0.472%
79	13.245	1894	1897	1900	rVV	115027	104432	7.26%	0.446%
80	13.362	1914	1917	1919	rBV	37353	35638	2.48%	0.152%
81	13.392	1920	1922	1925	rVV2	54879	58504	4.07%	0.250%
82	13.445	1928	1931	1936	rVB2	82139	114104	7.93%	0.487%
83	13.539	1944	1947	1950	rVB	96715	100081	6.95%	0.427%
84	13.639	1962	1964	1966	rBV2	72542	69986	4.86%	0.299%
85	13.692	1970	1973	1976	rBV	82340	91646	6.37%	0.391%
86	13.745	1980	1982	1988	rVB2	133406	151394	10.52%	0.646%
87	13.886	1999	2006	2009	rBV2	953976	1422553	98.85%	6.070%
88	13.915	2009	2011	2014	rVB	483738	413244	28.72%	1.763%
89	13.992	2022	2024	2027	rVB	70635	60799	4.22%	0.259%
90	14.274	2070	2072	2076	rVB	137403	125112	8.69%	0.534%
91	14.309	2076	2078	2080	rBV	62217	42899	2.98%	0.183%
92	14.404	2092	2094	2095	rBV	49700	36491	2.54%	0.156%
93	14.768	2153	2156	2160	rBV2	65330	69756	4.85%	0.298%
94	14.915	2177	2181	2183	rBV	422905	544453	37.83%	2.323%
95	15.021	2196	2199	2202	rVB	99377	113868	7.91%	0.486%
96	15.204	2226	2230	2234	rVB	231216	256156	17.80%	1.093%
97	15.262	2237	2240	2244	rBV	343507	396771	27.57%	1.693%
98	15.321	2246	2250	2253	rVV	402950	455168	31.63%	1.942%
99	16.733	2486	2490	2497	rVB2	132242	246924	17.16%	1.054%
100	17.168	2559	2564	2573	rVB	112350	245386	17.05%	1.047%

Sum of corrected areas: 23435089

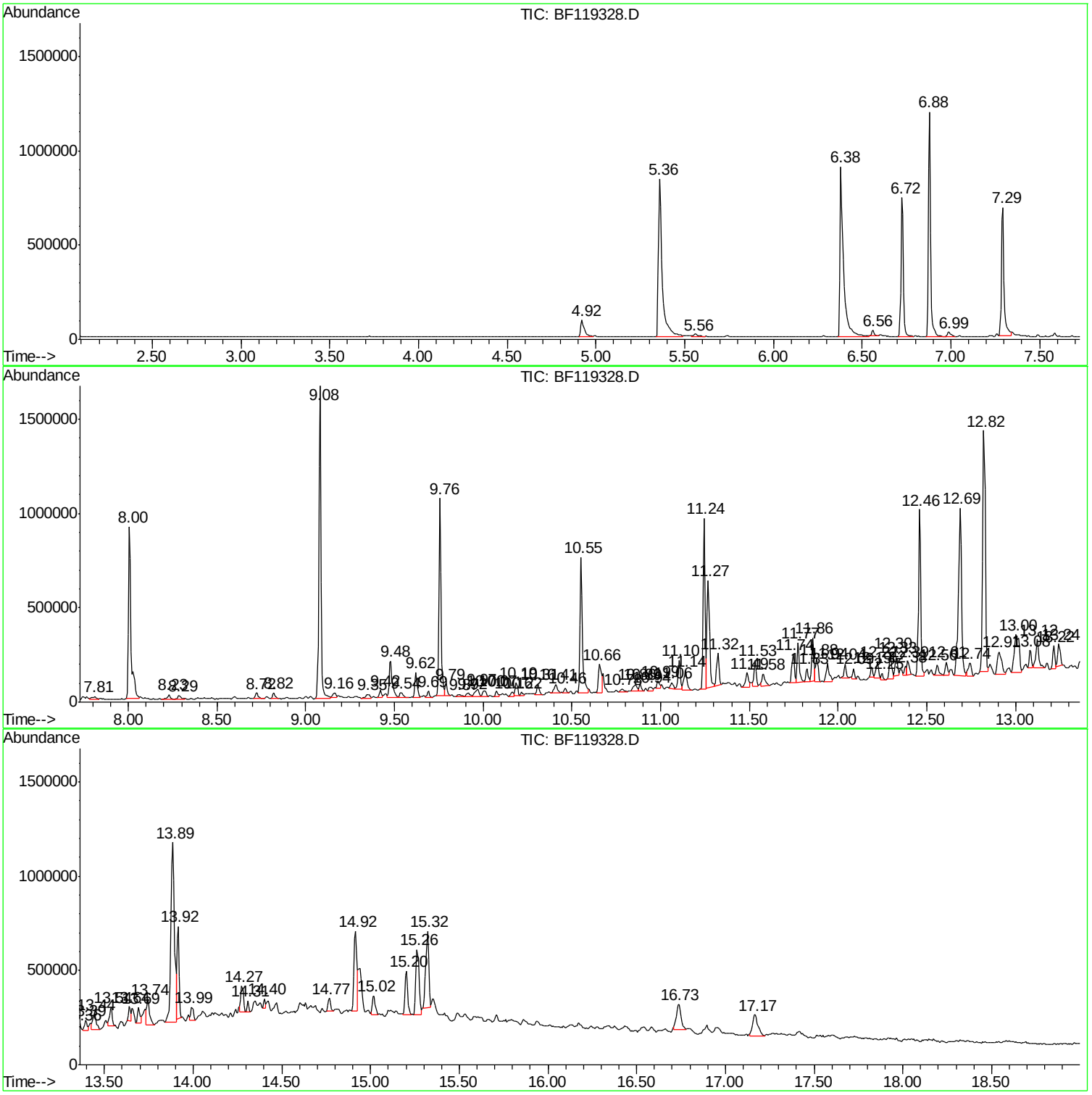
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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

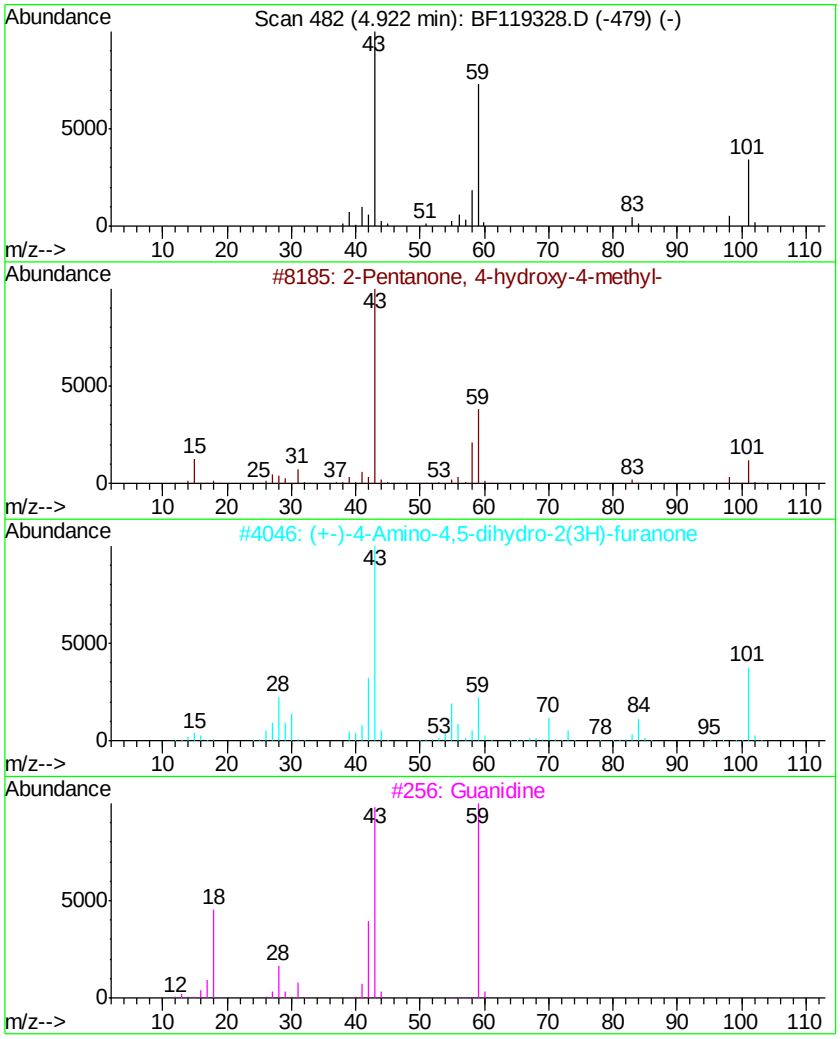
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

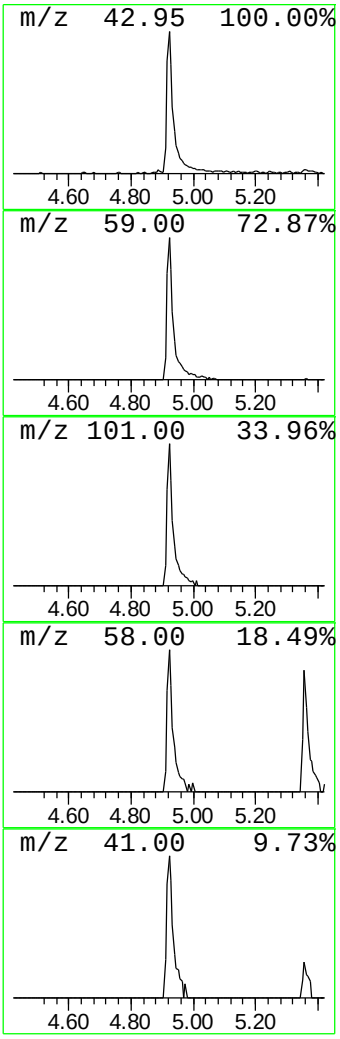
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	3.46 ng	121562	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	47
3	Guanidine	59	CH5N3	000113-00-8	43
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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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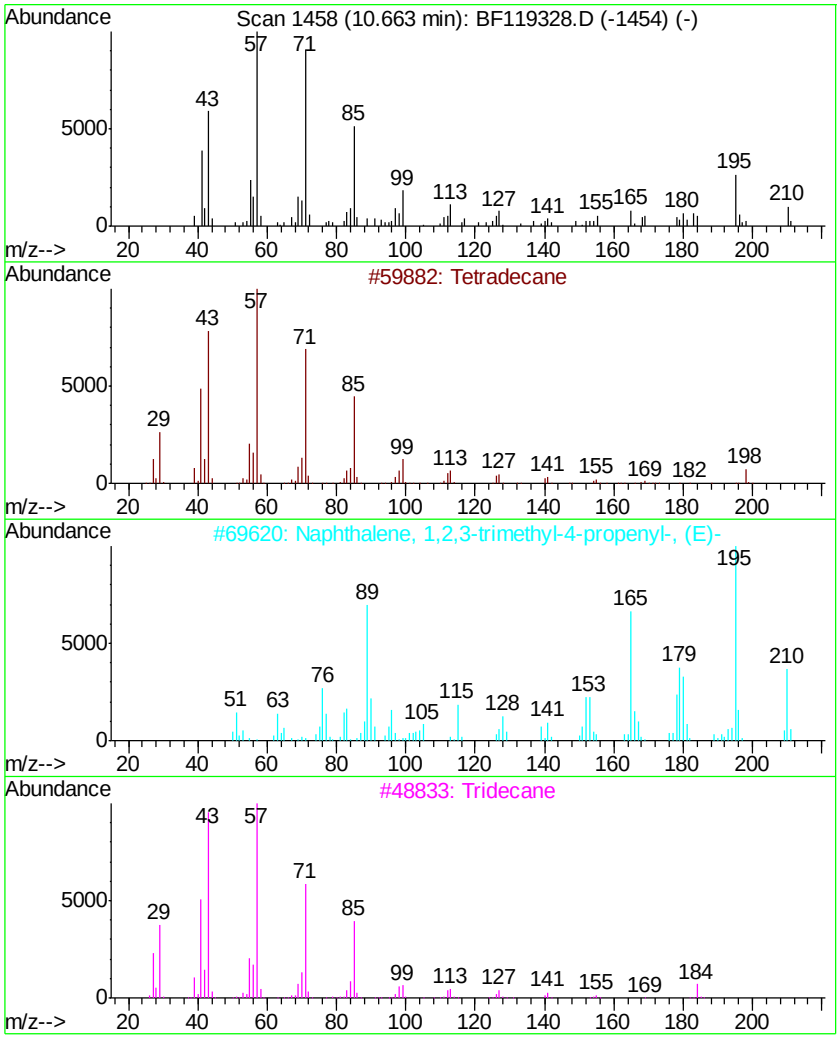
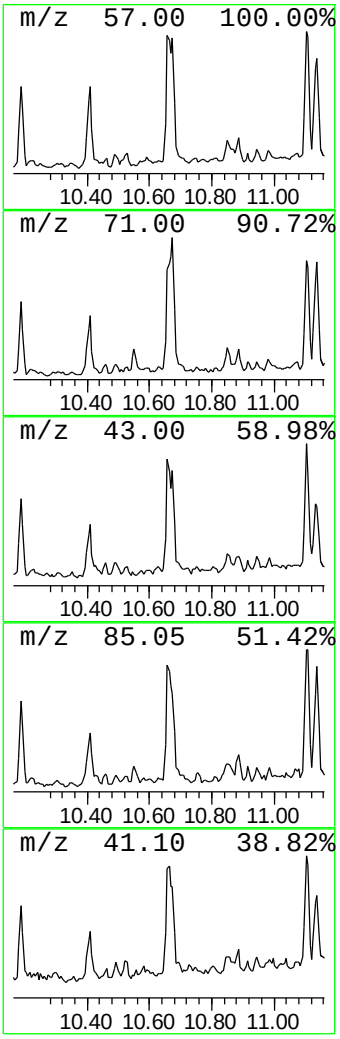
Peak Number 3 Tetradecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	4.19 ng	165613	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	50
3	Tridecane	184	C13H28	000629-50-5	49
4	Heneicosane	296	C21H44	000629-94-7	42
5	Heptadecane	240	C17H36	000629-78-7	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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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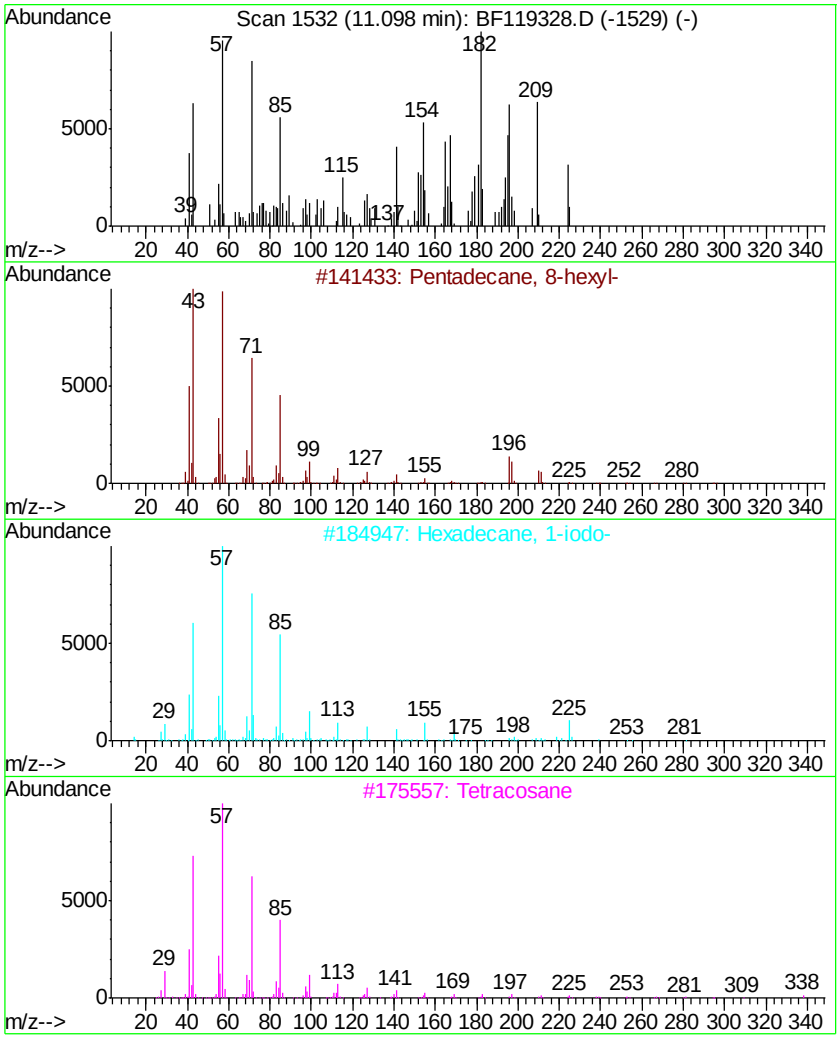
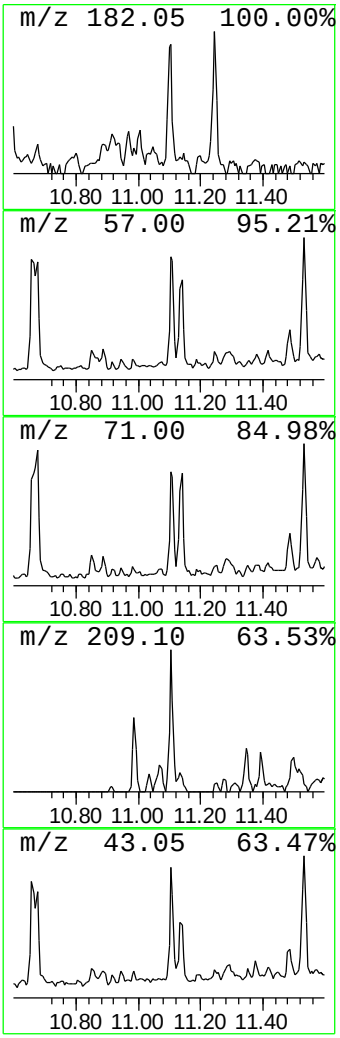
Peak Number 4 unknown11.10 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.97 ng	156915	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	43
2	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	43
3	Tetracosane	338	C24H50	000646-31-1	41
4	Tetratetracontane	619	C44H90	007098-22-8	38
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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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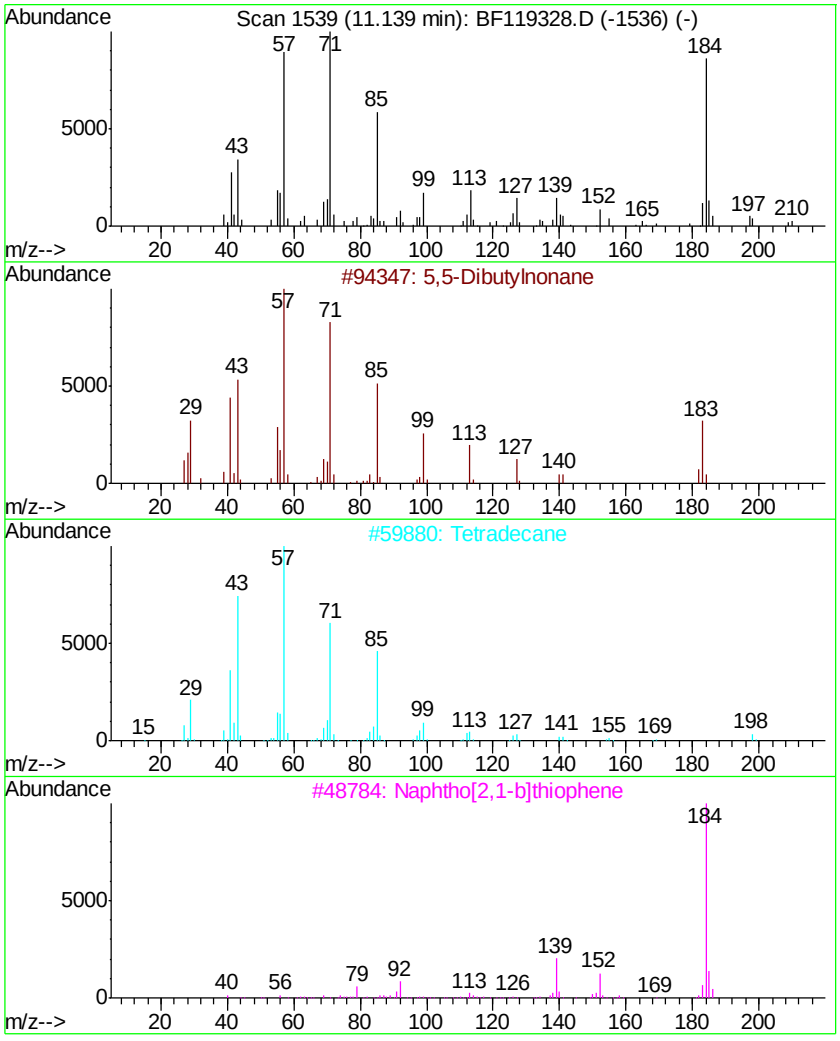
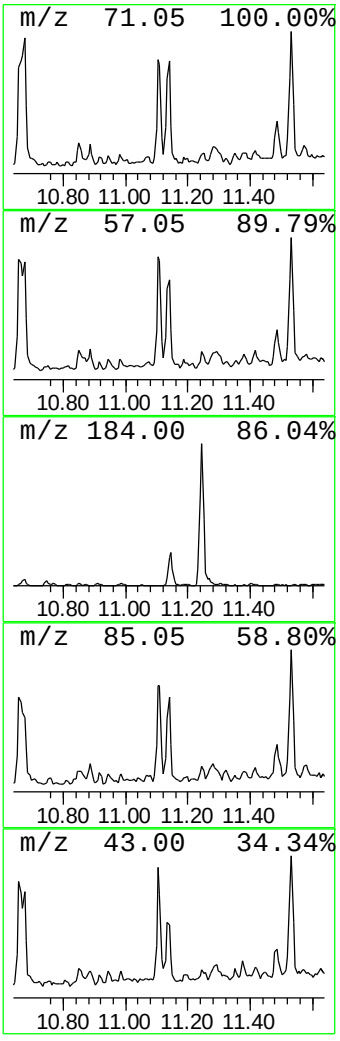
Peak Number 5 unknown11.14 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	3.27 ng	129375	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dibutylnonane	240	C17H36	006008-17-9	46
2	Tetradecane	198	C14H30	000629-59-4	43
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	38
4	Dibenzothiophene	184	C12H8S	000132-65-0	38
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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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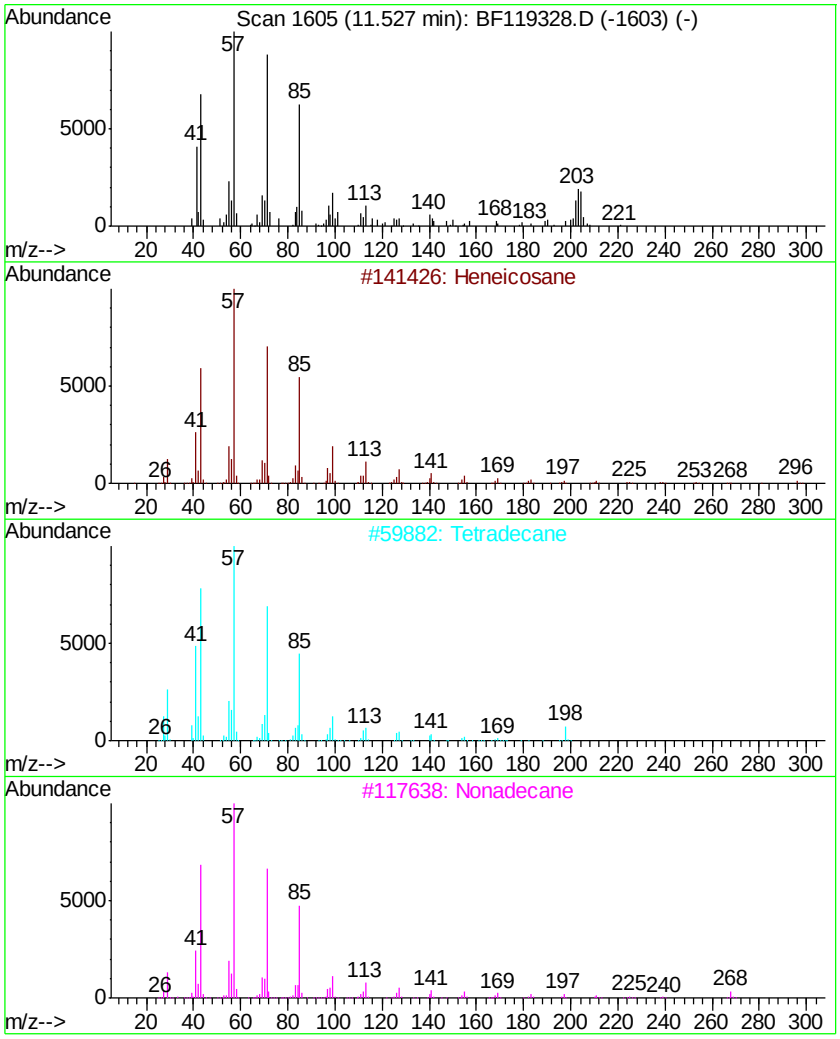
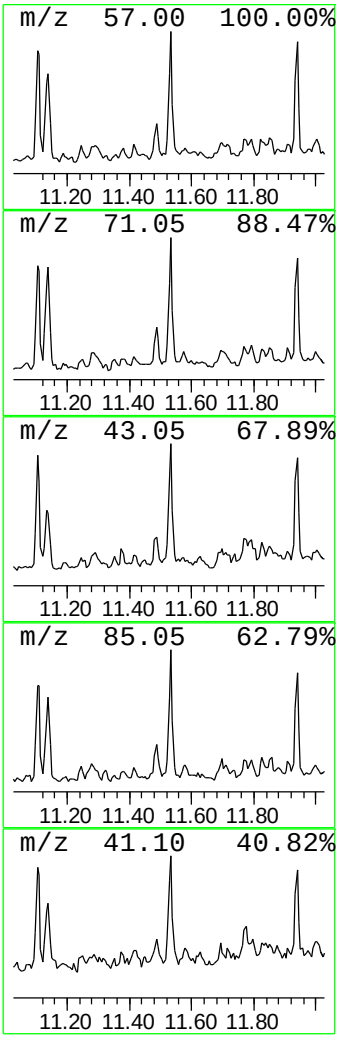
Peak Number 6 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	3.29 ng	130346	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	70
2	Tetradecane	198	C14H30	000629-59-4	58
3	Nonadecane	268	C19H40	000629-92-5	52
4	Heptadecane	240	C17H36	000629-78-7	43
5	Hentriacontane	437	C31H64	000630-04-6	43





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Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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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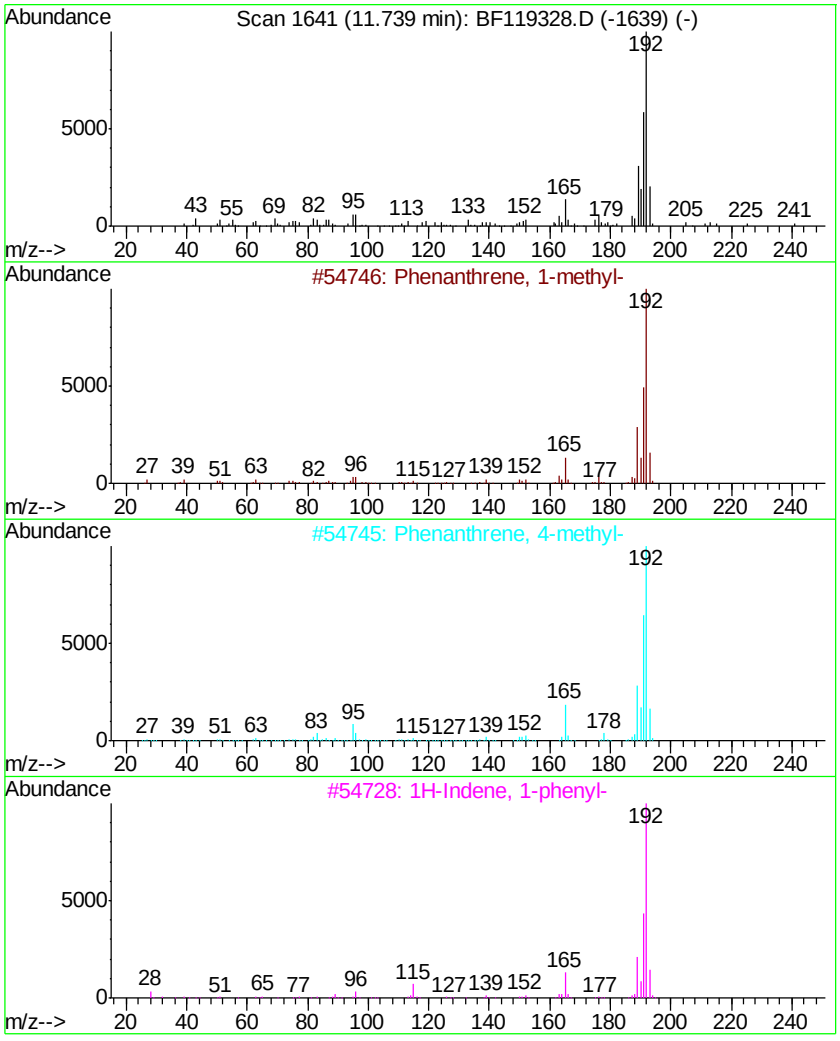
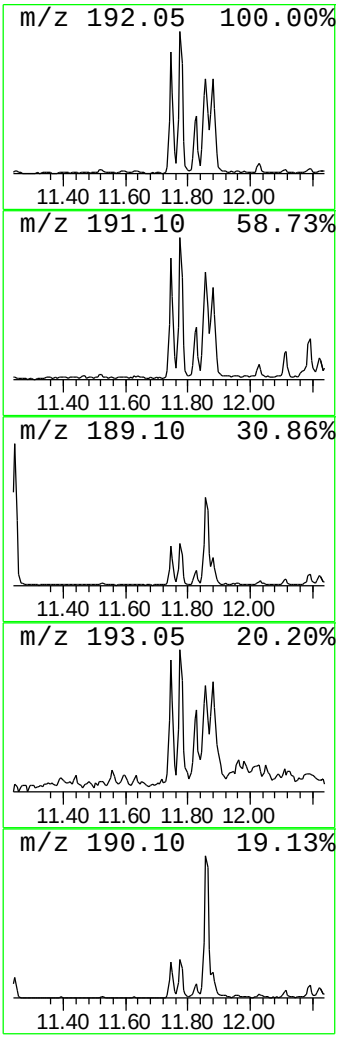
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	3.56 ng	140703	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

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Sample : L1849-03 2X
Misc :
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ClientSampleId : VNJ-215-72-12018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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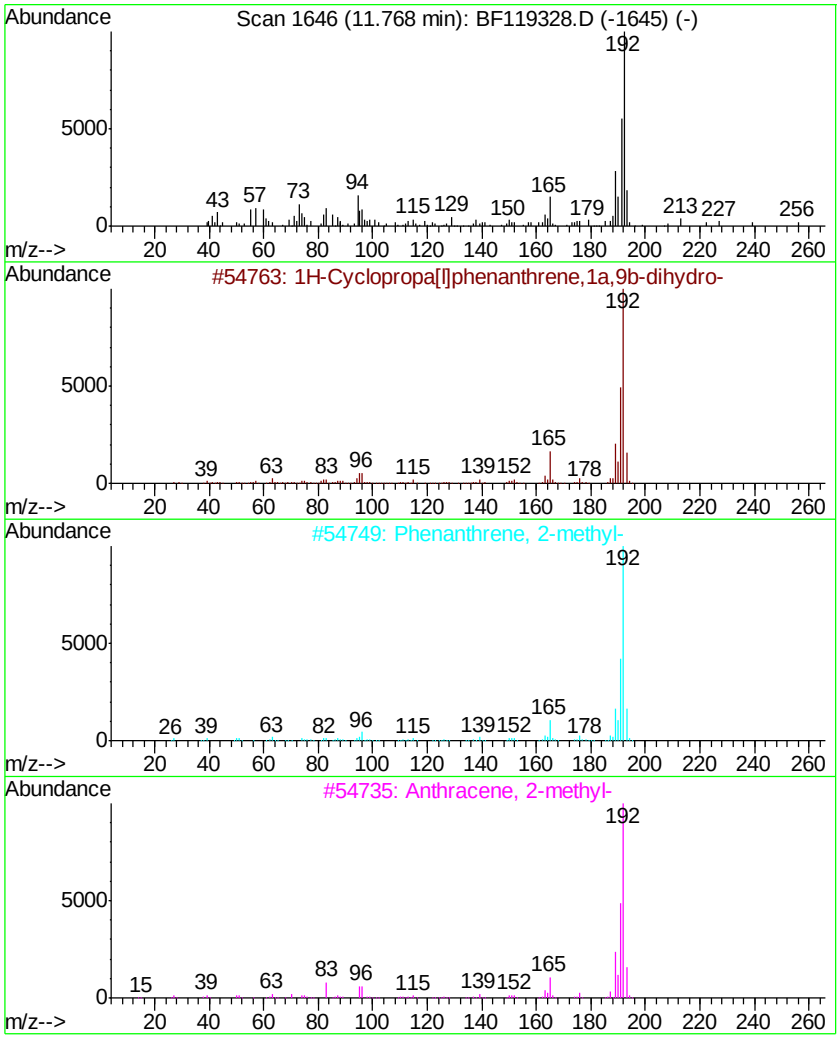
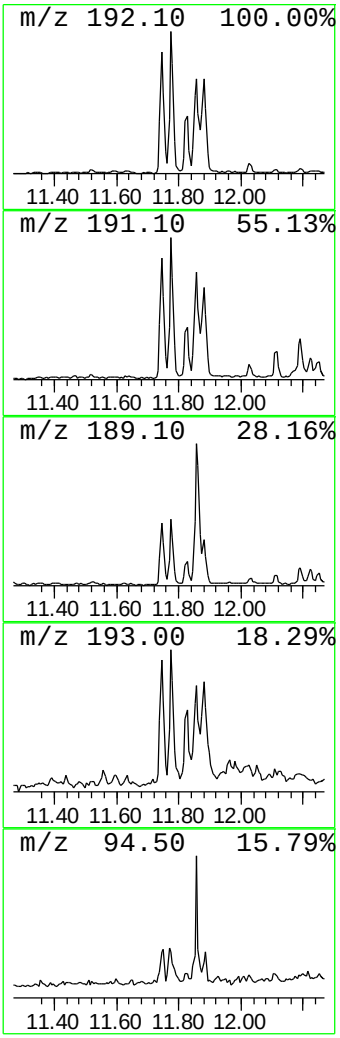
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.88 ng	193255	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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ClientSampleId : VNJ-215-72-12018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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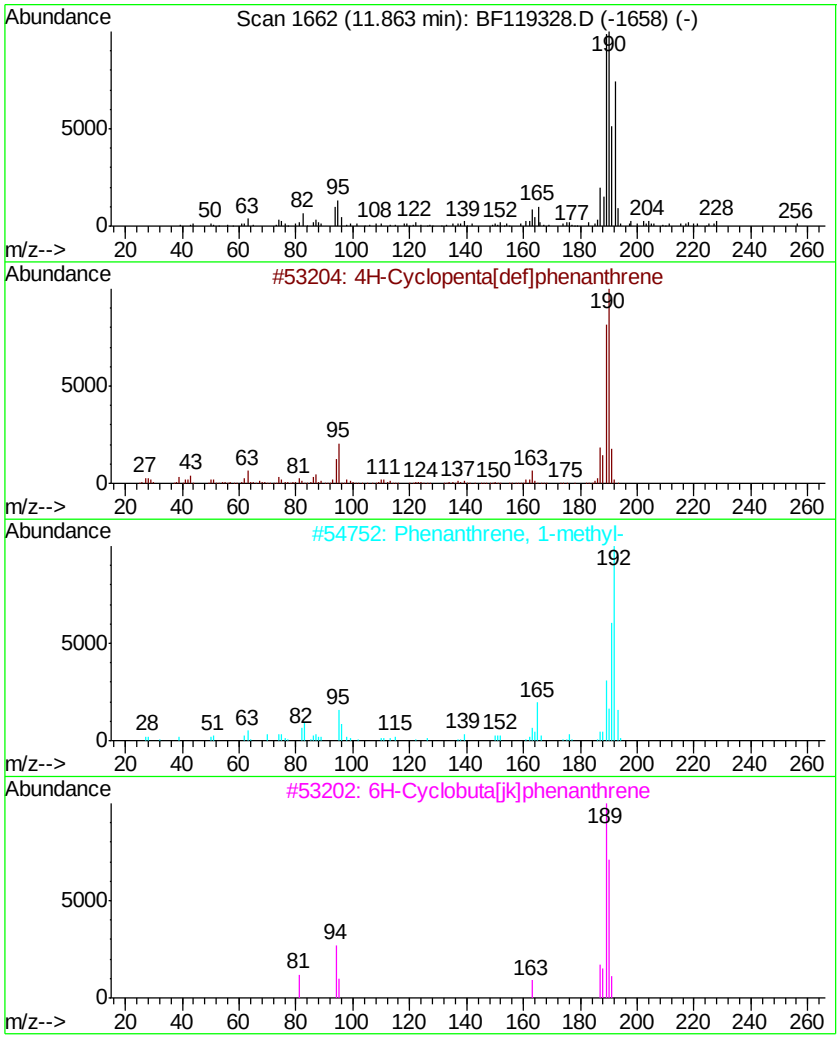
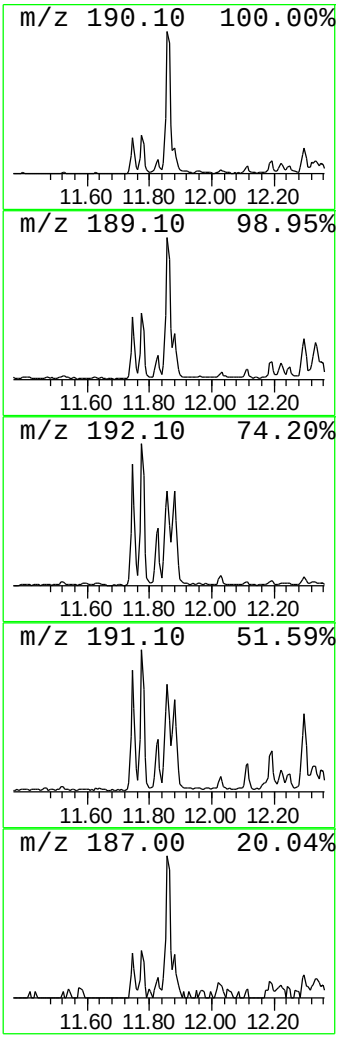
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.53 ng	218947	Phenanthrene-d10	11.24

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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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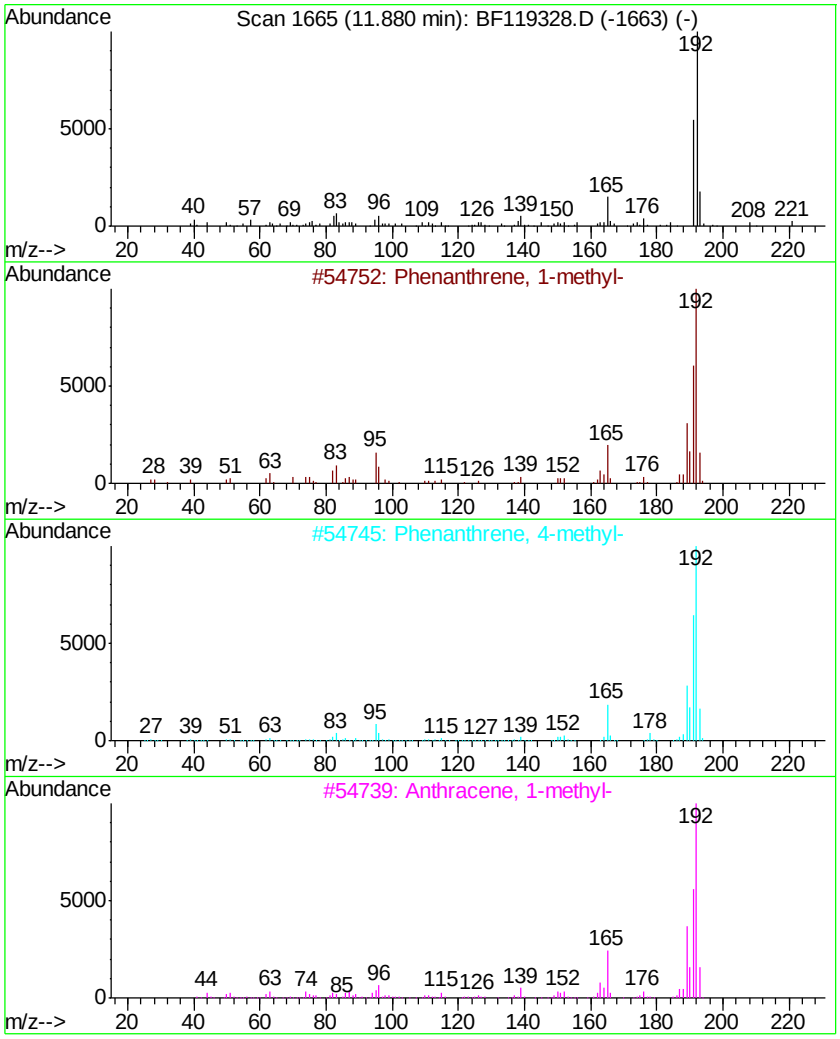
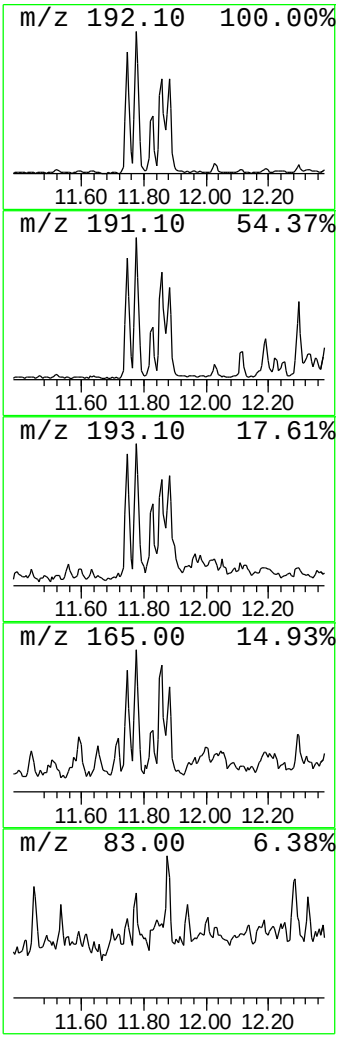
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.66 ng	105170	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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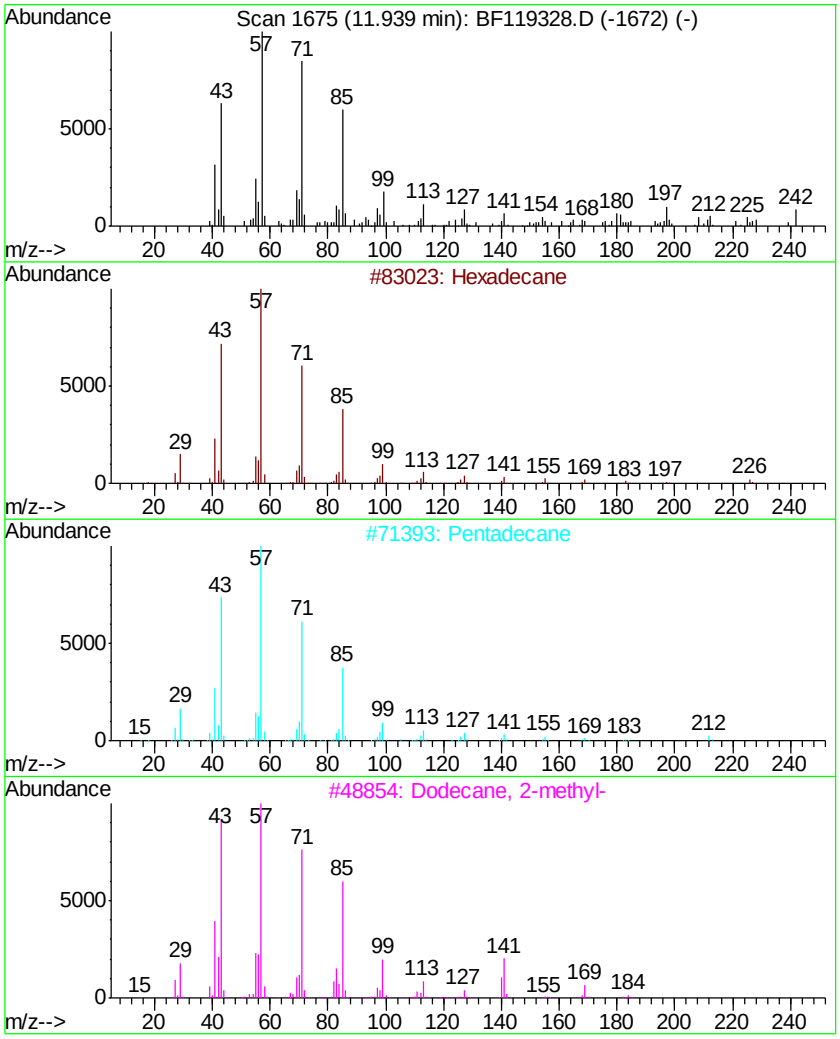
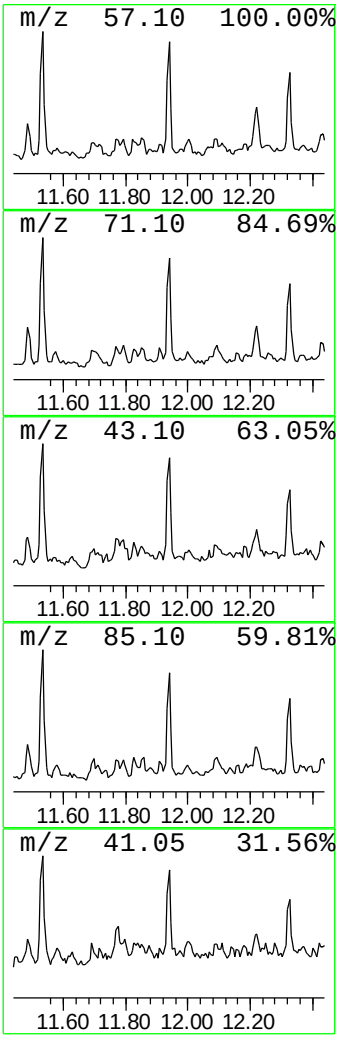
Peak Number 11 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	3.10 ng	122841	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Pentadecane	212	C15H32	000629-62-9	93
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
4	Heneicosane	296	C21H44	000629-94-7	83
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	83





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Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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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 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	3.48 ng	137699	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
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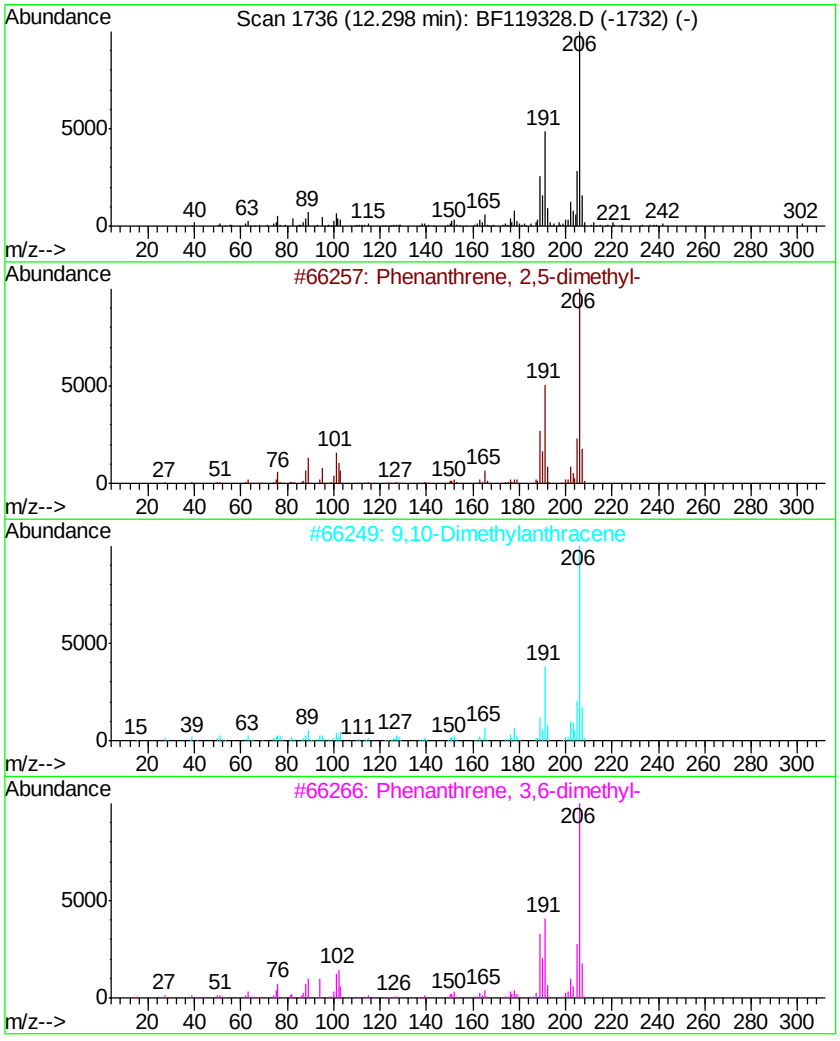

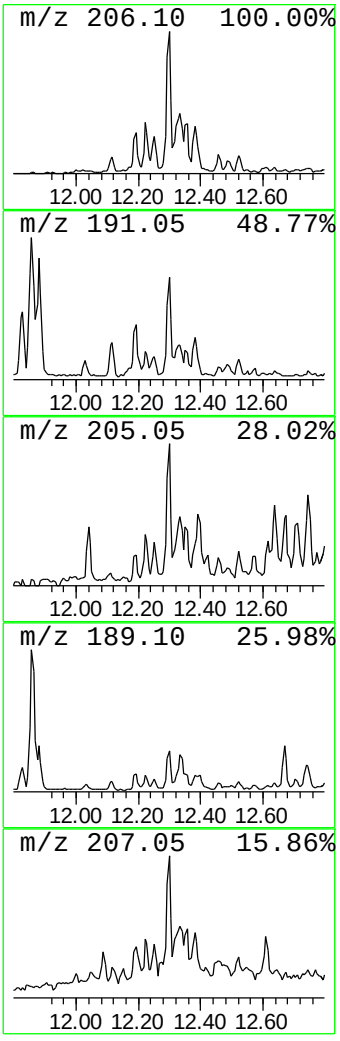

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Sample : L1849-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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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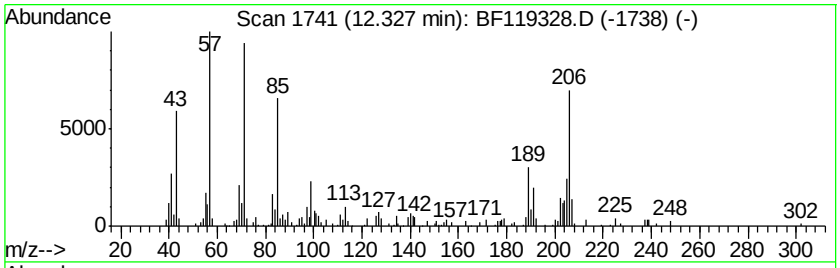
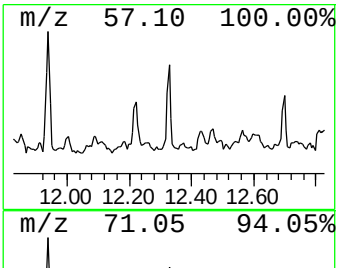
Peak Number 13 1,3-Butadiene, 1,4-diphenyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.77 ng	109578	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	80
2	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	55
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	47
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	46
5	Hexacosane	366	C26H54	000630-01-3	45





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Misc :
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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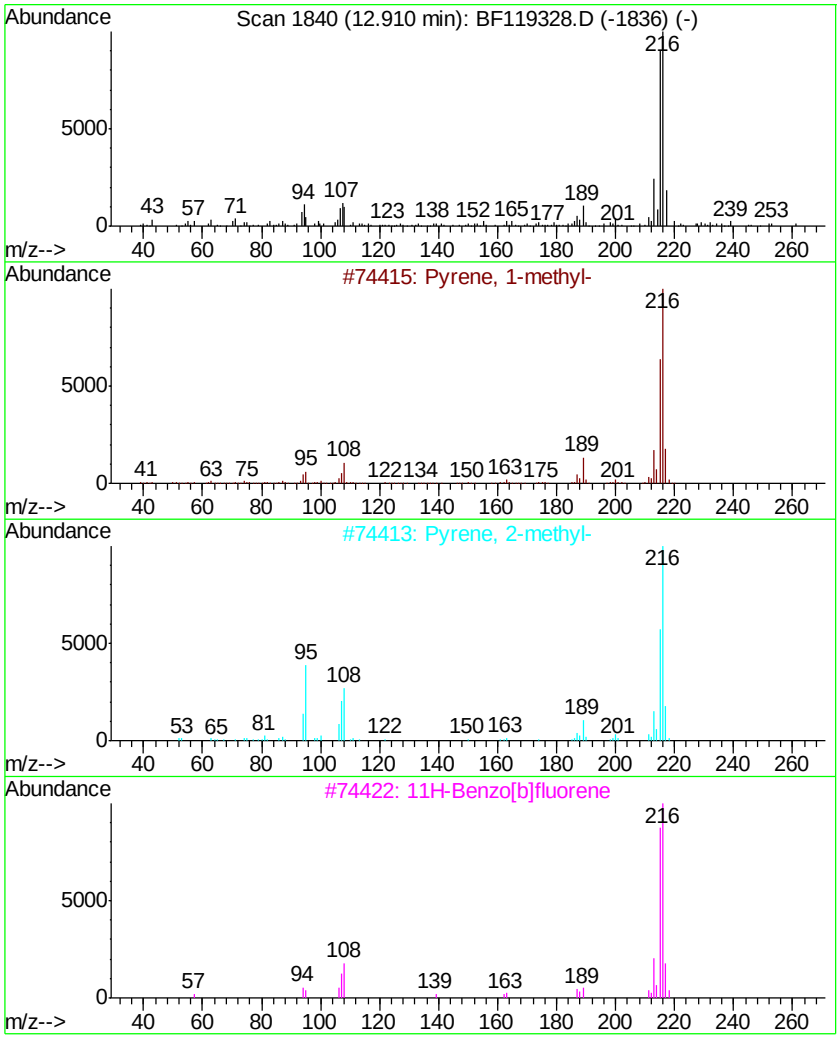
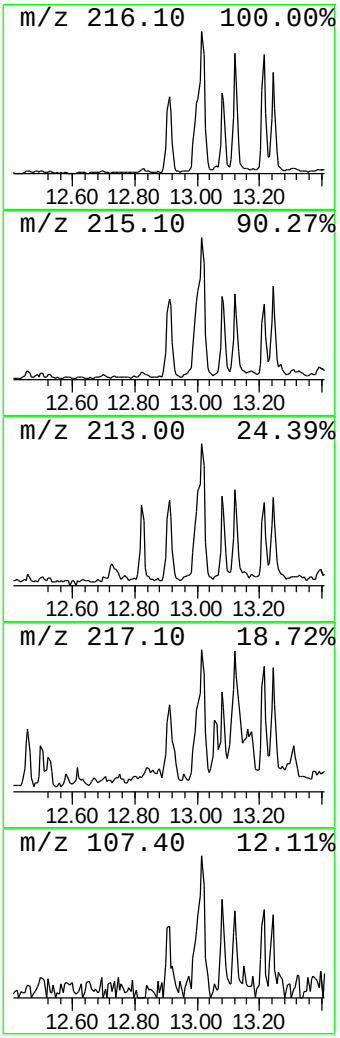
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	2.86 ng	203205	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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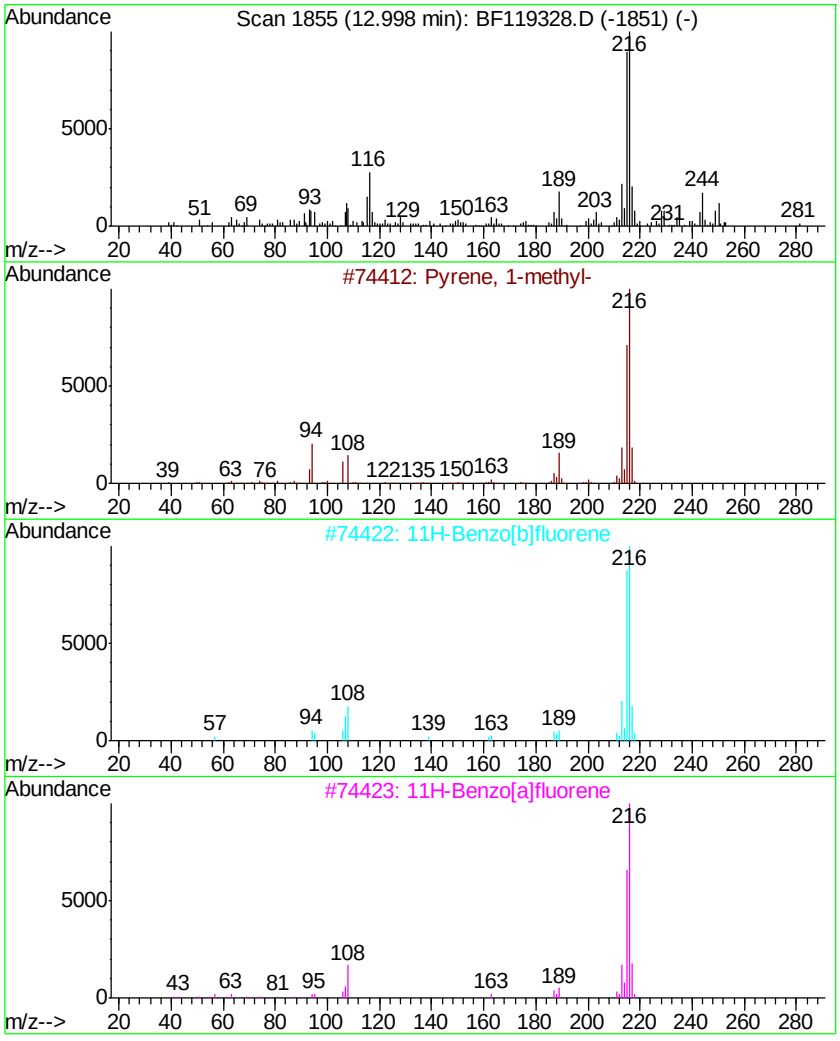
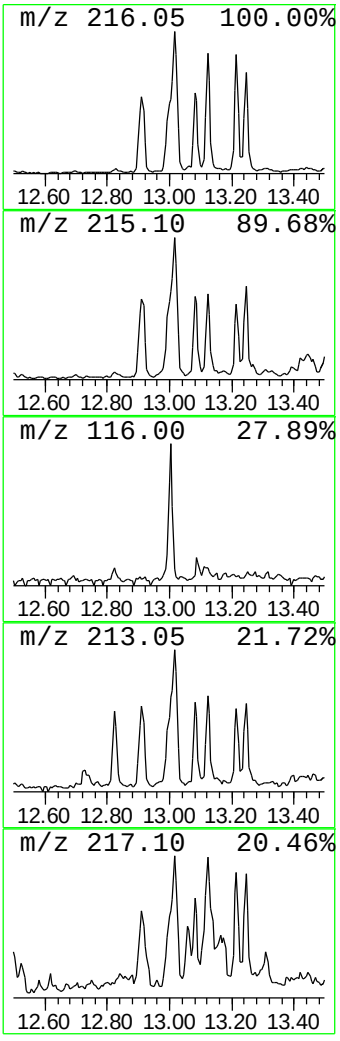
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	5.13 ng	364559	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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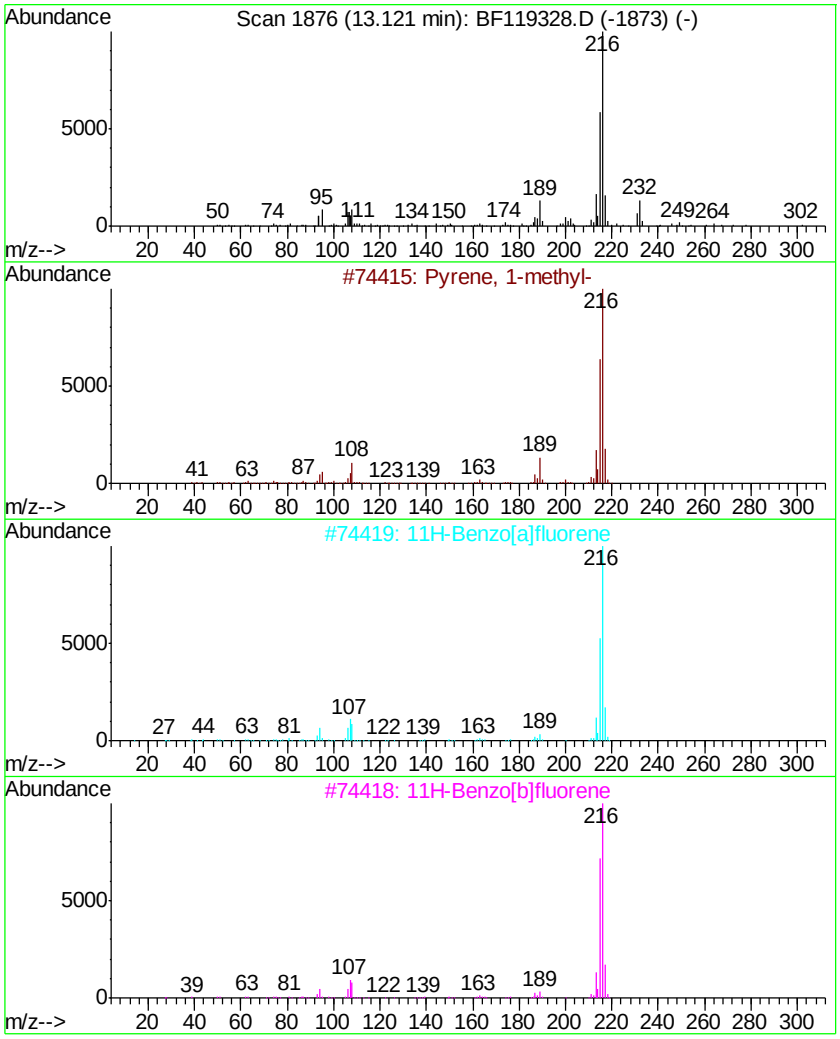
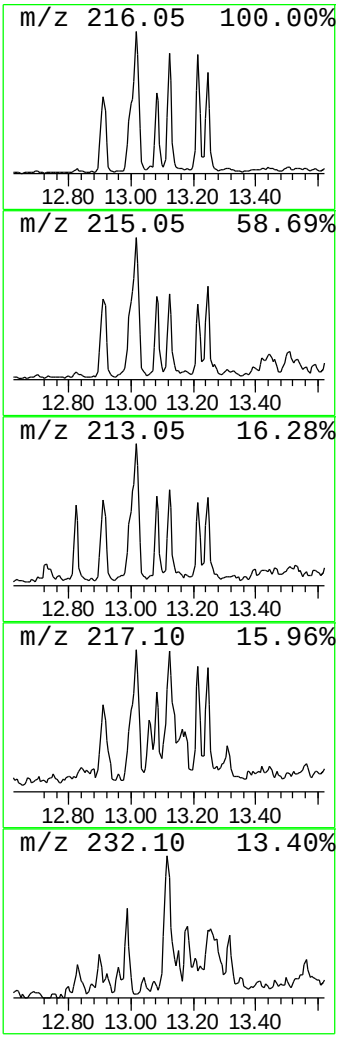
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.54 ng	180748	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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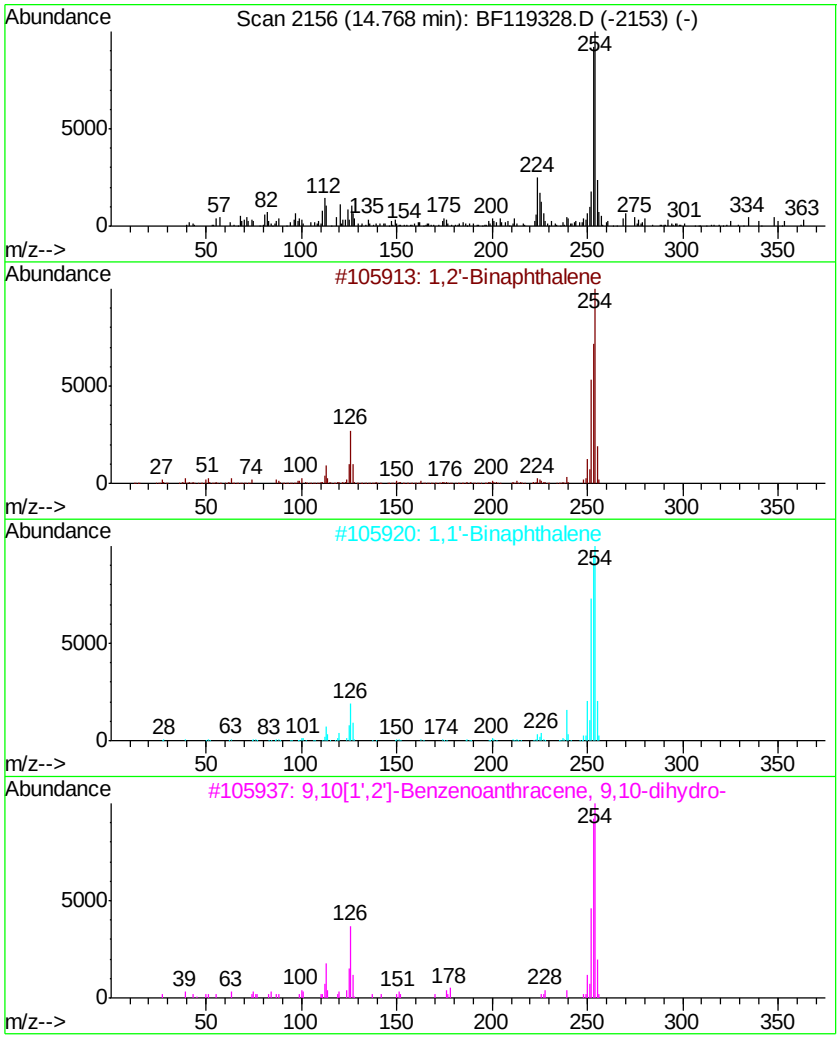
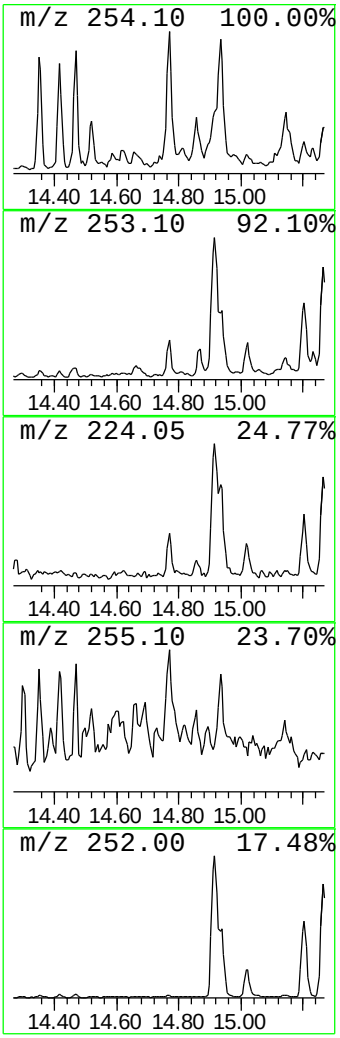
Peak Number 17 1,2'-Binaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	3.07 ng	69756	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	81
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	81
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	74
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	74
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	74





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Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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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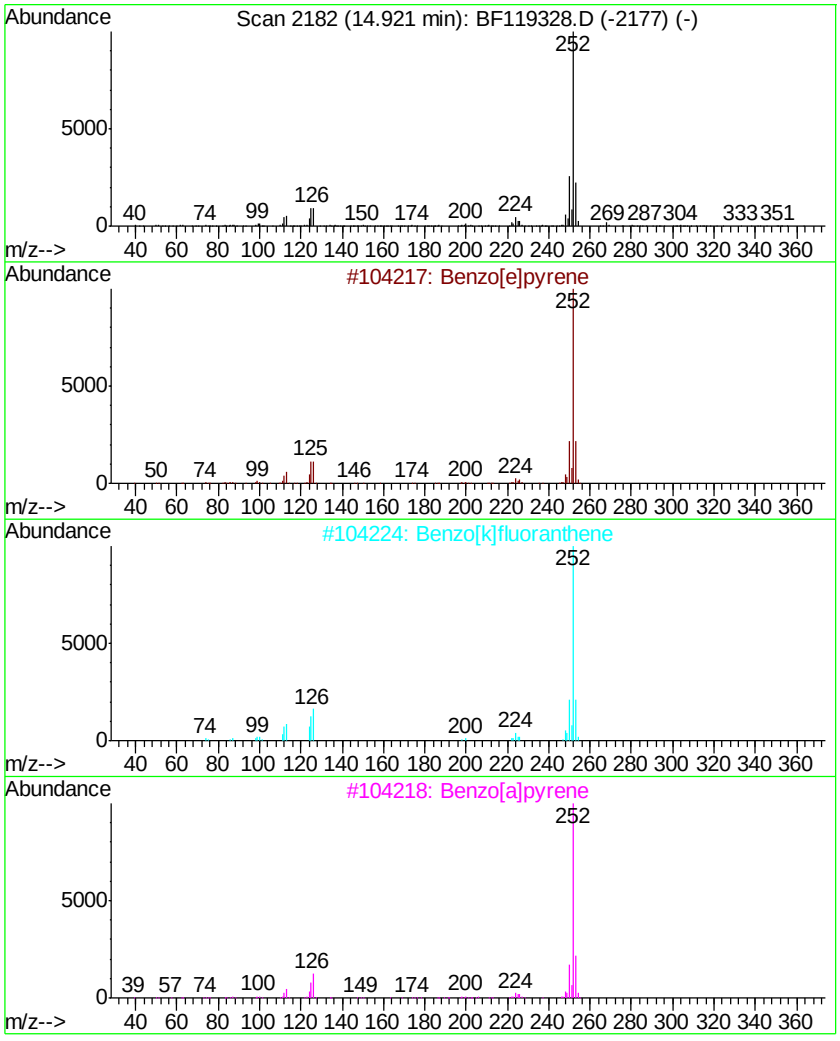
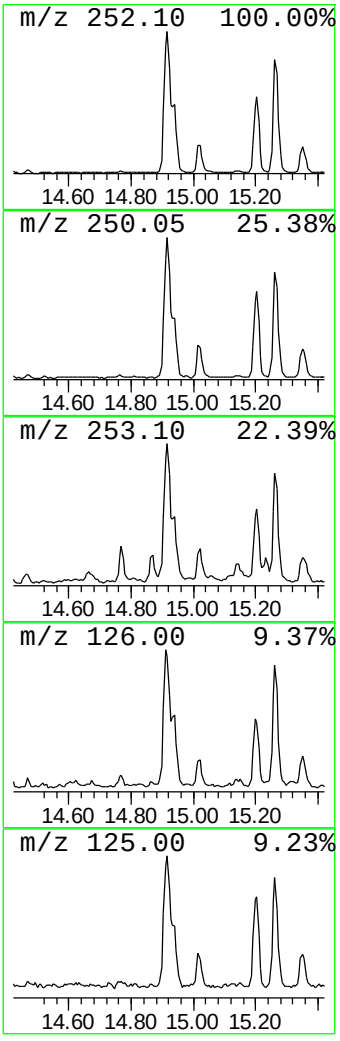
Peak Number 18 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	23.92 ng	544453	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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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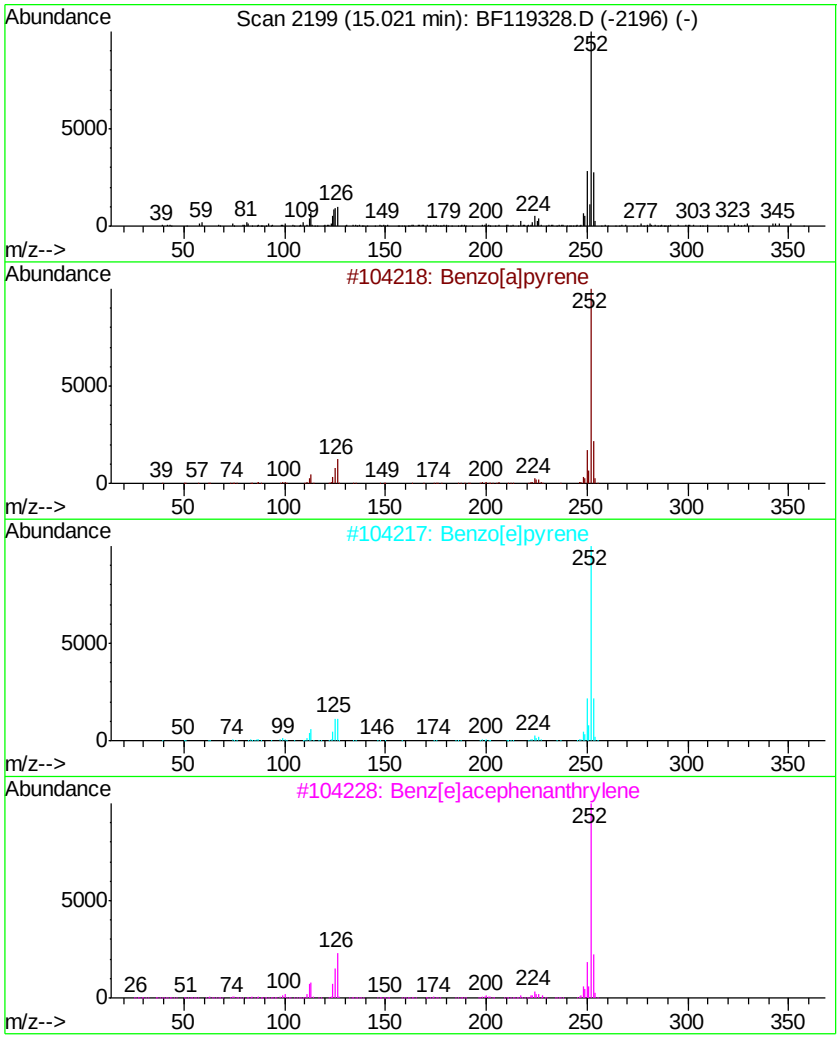
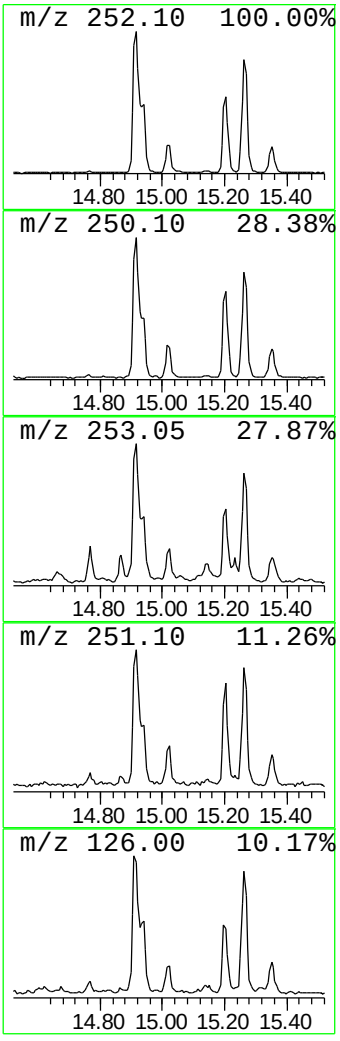
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	5.00 ng	113868	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	89
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	70
5	Perylene	252	C20H12	000198-55-0	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-215-72-12018

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
2-Pentanone, 4-hy...	4.92	3.5	ng	121562	1	6.72	702581	20.0
Tetradecane	10.66	4.2	ng	165613	4	11.24	791422	20.0
unknown11.10	11.10	4.0	ng	156915	4	11.24	791422	20.0
unknown11.14	11.14	3.3	ng	129375	4	11.24	791422	20.0
Heneicosane	11.53	3.3	ng	130346	4	11.24	791422	20.0
Phenanthrene, 1-m...	11.74	3.6	ng	140703	4	11.24	791422	20.0
1H-Cyclopropa[l]p...	11.77	4.9	ng	193255	4	11.24	791422	20.0
4H-Cyclopenta[def...	11.86	5.5	ng	218947	4	11.24	791422	20.0
Phenanthrene, 4-m...	11.88	2.7	ng	105170	4	11.24	791422	20.0
Hexadecane	11.94	3.1	ng	122841	4	11.24	791422	20.0
Phenanthrene, 2,5...	12.30	3.5	ng	137699	4	11.24	791422	20.0
1,3-Butadiene, 1,...	12.33	2.8	ng	109578	4	11.24	791422	20.0
Pyrene, 1-methyl-	12.91	2.9	ng	203205	5	13.89	1422550	20.0
11H-Benzo[b]fluorene	13.00	5.1	ng	364559	5	13.89	1422550	20.0
11H-Benzo[a]fluorene	13.12	2.5	ng	180748	5	13.89	1422550	20.0
1,2'-Binaphthalene	14.77	3.1	ng	69756	6	15.32	455168	20.0
Benzo[e]pyrene	14.92	23.9	ng	544453	6	15.32	455168	20.0
Benzo[j]fluoranthene	15.02	5.0	ng	113868	6	15.32	455168	20.0