LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101019\
Data File : BF117366.D
Acq On : 10 Oct 2019 18:02
Operator : JU
Sample : K5297-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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-BF091319.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	5.004	492	496	507	rBV	36694	56751	3.83%	0.271%
2	5.416	563	566	585	rBV	676181	816903	55.13%	3.894%
3	6.440	736	740	758	rBV	817332	951889	64.24%	4.538%
4	6.569	758	762	769	rVV	1055248	930765	62.81%	4.437%
5	6.793	797	800	808	rBV	261864	237322	16.02%	1.131%
6	6.951	823	827	840	rBV	704262	661240	44.62%	3.152%
7	7.328	888	891	893	rBV	37440	29918	2.02%	0.143%
8	7.357	893	896	915	rVB	501814	559086	37.73%	2.665%
9	7.816	971	974	978	rBV2	37228	41247	2.78%	0.197%
10	8.075	1006	1018	1024	rBV	279938	390105	26.33%	1.860%
11	8.122	1024	1026	1031	rVB2	32326	35635	2.40%	0.170%
12	8.892	1151	1157	1165	rBB	19397	27396	1.85%	0.131%
13	9.151	1197	1201	1213	rBV	949442	915067	61.75%	4.362%
14	9.545	1265	1268	1276	rVB	111586	102049	6.89%	0.486%
15	9.692	1290	1293	1302	rBB	41481	38960	2.63%	0.186%
16	9.828	1313	1316	1319	rBV	418796	362307	24.45%	1.727%
17	9.863	1319	1322	1329	rVB	93104	96837	6.54%	0.462%
18	10.039	1348	1352	1356	rBV	61003	63499	4.29%	0.303%
19	10.381	1406	1410	1416	rBV	187768	180359	12.17%	0.860%
20	10.622	1447	1451	1457	rBV	645229	627793	42.37%	2.993%
21	10.928	1496	1503	1506	rBV2	33723	43119	2.91%	0.206%
22	11.175	1540	1545	1548	rVV2	32643	38344	2.59%	0.183%
23	11.216	1548	1552	1557	rVB	62627	65345	4.41%	0.312%
24	11.316	1566	1569	1571	rBV	384274	367722	24.82%	1.753%
25	11.345	1571	1574	1577	rVV	1292250	1078673	72.79%	5.142%
26	11.392	1579	1582	1588	rVB	294153	274248	18.51%	1.307%
27	11.551	1606	1609	1616	rBV	76815	100273	6.77%	0.478%
28	11.645	1624	1625	1631	rVB2	17018	26615	1.80%	0.127%
29	11.727	1631	1639	1645	rBV4	14117	31610	2.13%	0.151%
30	11.822	1651	1655	1657	rBV	117287	126448	8.53%	0.603%
31	11.845	1657	1659	1665	rVV2	222691	234498	15.83%	1.118%
32	11.898	1665	1668	1670	rVV	58683	56931	3.84%	0.271%
33	11.933	1670	1674	1676	rVV	247393	261721	17.66%	1.248%
34	11.951	1676	1677	1683	rVB	92142	73210	4.94%	0.349%

LSC Area Percent Report

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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-BF091319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.110	1702	1704	1708	rBV	94960	84039	5.67%	0.401%
36	12.151	1708	1711	1715	rVB2	32240	31840	2.15%	0.152%
37	12.263	1725	1730	1733	rBV	28446	33392	2.25%	0.159%
38	12.292	1733	1735	1738	rVV	28661	27823	1.88%	0.133%
39	12.369	1744	1748	1751	rBV	69043	67665	4.57%	0.323%
40	12.410	1751	1755	1757	rVV3	43935	61813	4.17%	0.295%
41	12.463	1760	1764	1768	rVV3	44479	57383	3.87%	0.274%
42	12.539	1772	1777	1780	rBV	1568474	1481800	100.00%	7.064%
43	12.563	1780	1781	1785	rVV3	32031	39030	2.63%	0.186%
44	12.627	1789	1792	1797	rVV2	29354	29793	2.01%	0.142%
45	12.686	1797	1802	1805	rVV	56834	63483	4.28%	0.303%
46	12.763	1809	1815	1821	rBV2	1093304	1364289	92.07%	6.504%
47	12.810	1821	1823	1828	rVB2	54127	61366	4.14%	0.293%
48	12.898	1832	1838	1841	rBV	907507	802627	54.17%	3.826%
49	12.927	1841	1843	1847	rVB	41898	42180	2.85%	0.201%
50	12.986	1847	1853	1856	rBV3	71963	129353	8.73%	0.617%
51	13.092	1864	1871	1874	rBV	185125	253216	17.09%	1.207%
52	13.157	1879	1882	1885	rBV	154107	133840	9.03%	0.638%
53	13.192	1885	1888	1896	rVB3	92559	134630	9.09%	0.642%
54	13.286	1901	1904	1907	rBV	57446	52274	3.53%	0.249%
55	13.316	1907	1909	1913	rBV2	51257	54948	3.71%	0.262%
56	13.492	1936	1939	1941	rVV3	22615	26914	1.82%	0.128%
57	13.516	1941	1943	1949	rVB3	36422	40609	2.74%	0.194%
58	13.574	1950	1953	1955	rBV4	28119	29669	2.00%	0.141%
59	13.604	1955	1958	1965	rVB	77844	86699	5.85%	0.413%
60	13.710	1972	1976	1978	rBV	101614	109023	7.36%	0.520%
61	13.733	1978	1980	1983	rVV	100902	93680	6.32%	0.447%
62	13.763	1983	1985	1987	rVV	75168	83465	5.63%	0.398%
63	13.792	1987	1990	1992	rVV2	123012	158590	10.70%	0.756%
64	13.816	1992	1994	2000	rVB2	117857	131350	8.86%	0.626%
65	13.880	2000	2005	2011	rVB	28797	43184	2.91%	0.206%
66	13.957	2011	2018	2021	rBV2	607929	948338	64.00%	4.521%
67	13.986	2021	2023	2032	rVV	454016	489299	33.02%	2.333%
68	14.069	2034	2037	2040	rVB	61687	57056	3.85%	0.272%
69	14.116	2040	2045	2050	rBV5	47070	94961	6.41%	0.453%
70	14.157	2050	2052	2054	rVV	34925	35992	2.43%	0.172%
71	14.192	2054	2058	2061	rVV2	48618	71240	4.81%	0.340%

LSC Area Percent Report

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Acq On : 10 Oct 2019 18:02
Operator : JU
Sample : K5297-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.316	2076	2079	2080	rBV	32897	33298	2.25%	0.159%
73	14.351	2080	2085	2088	rVV	105266	132853	8.97%	0.633%
74	14.380	2088	2090	2093	rVV2	42397	48367	3.26%	0.231%
75	14.416	2093	2096	2100	rVV5	53923	87937	5.93%	0.419%
76	14.451	2100	2102	2104	rVV3	37900	37821	2.55%	0.180%
77	14.474	2104	2106	2108	rVV2	47610	53527	3.61%	0.255%
78	14.498	2108	2110	2113	rVV2	41177	43190	2.91%	0.206%
79	14.545	2113	2118	2121	rVB3	28567	32809	2.21%	0.156%
80	14.674	2137	2140	2143	rBV5	30531	42641	2.88%	0.203%
81	14.716	2145	2147	2152	rVB2	43720	40936	2.76%	0.195%
82	14.845	2166	2169	2175	rBV	58406	82452	5.56%	0.393%
83	15.004	2191	2196	2198	rBV	405338	572652	38.65%	2.730%
84	15.110	2210	2214	2218	rVB	62476	78259	5.28%	0.373%
85	15.186	2225	2227	2233	rBV4	23429	46043	3.11%	0.220%
86	15.298	2242	2246	2252	rVV	218729	287560	19.41%	1.371%
87	15.363	2252	2257	2261	rVV	318556	398662	26.90%	1.901%
88	15.421	2262	2267	2270	rVV	224615	332766	22.46%	1.586%
89	15.451	2270	2272	2281	rVB	103611	138600	9.35%	0.661%
90	15.598	2292	2297	2299	rBV4	21671	33040	2.23%	0.158%
91	15.827	2332	2336	2344	rBV5	42746	83469	5.63%	0.398%
92	15.898	2344	2348	2351	rBV5	23487	38821	2.62%	0.185%
93	16.310	2414	2418	2423	rBV5	27091	44702	3.02%	0.213%
94	16.668	2473	2479	2483	rBV4	28701	54228	3.66%	0.259%
95	16.868	2507	2513	2521	rVB	162040	311424	21.02%	1.485%
96	17.033	2534	2541	2547	rBV2	36272	95042	6.41%	0.453%
97	17.092	2547	2551	2562	rVV4	28253	89272	6.02%	0.426%
98	17.168	2562	2564	2571	rVB8	14942	26595	1.79%	0.127%
99	17.309	2581	2588	2598	rBV	96292	223050	15.05%	1.063%
100	17.557	2624	2630	2640	rVB2	28099	75486	5.09%	0.360%

Sum of corrected areas: 20976240

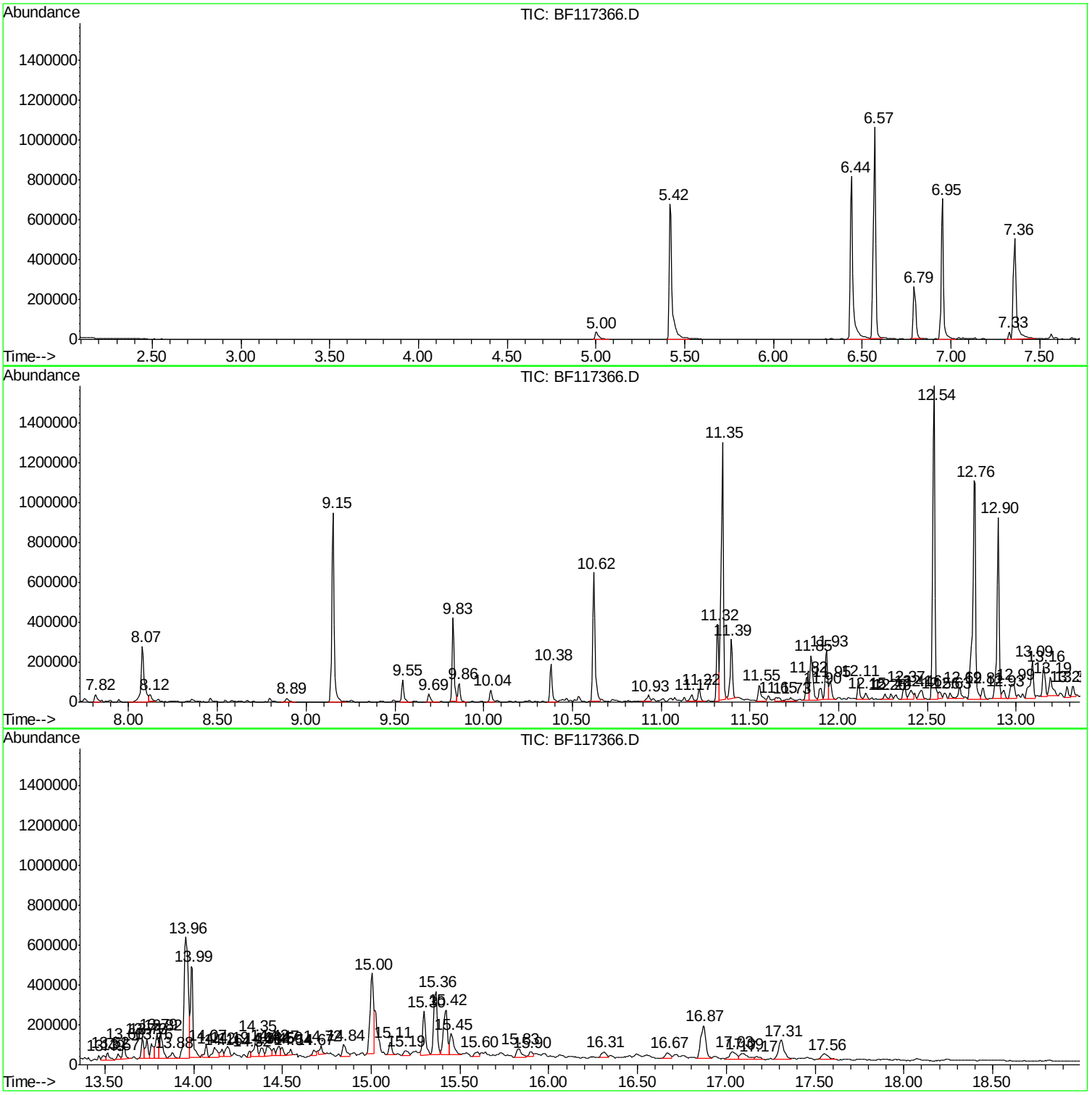
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101019\
Data File : BF117366.D
Acq On : 10 Oct 2019 18:02
Operator : JU
Sample : K5297-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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\BF101019\
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Instrument : BNA_F
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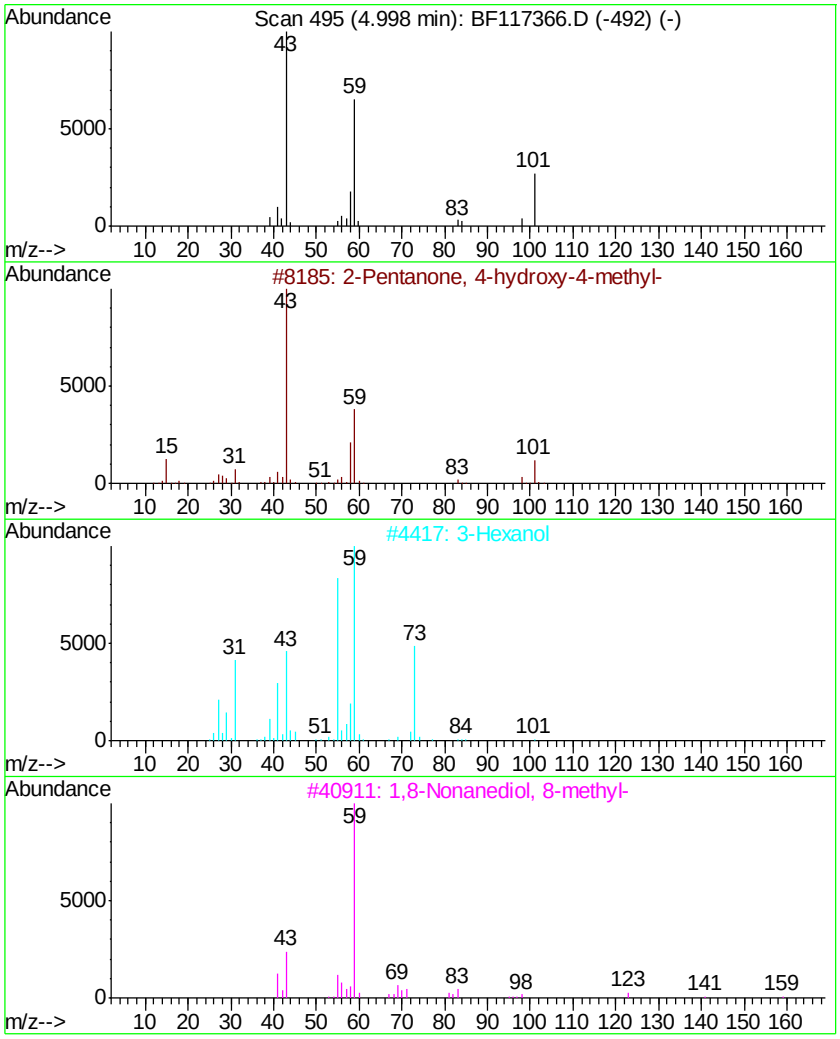
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

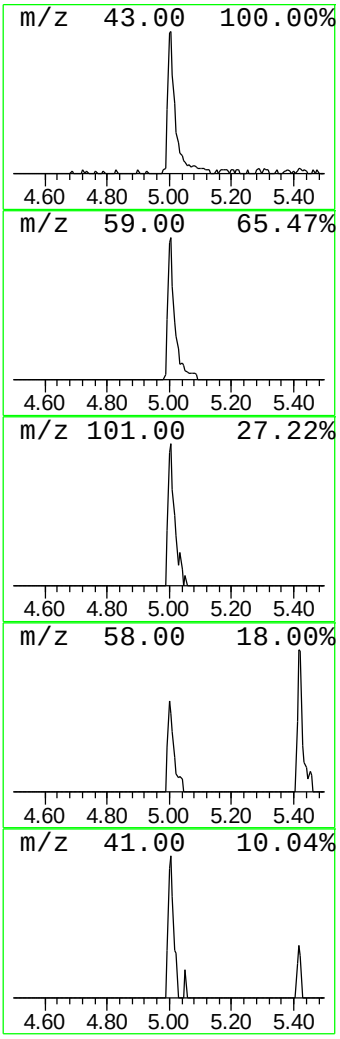
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	4.78 ng	56751	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol	102	C6H14O	000623-37-0	25
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101019\
Data File : BF117366.D
Acq On : 10 Oct 2019 18:02
Operator : JU
Sample : K5297-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

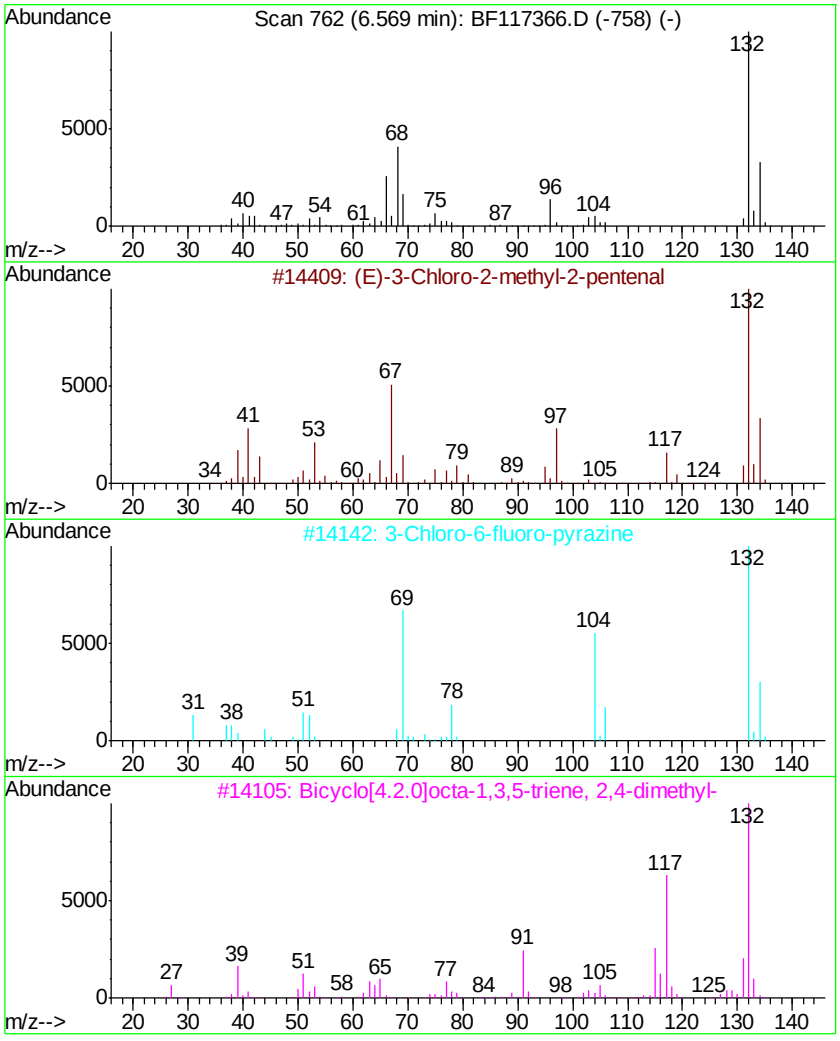
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

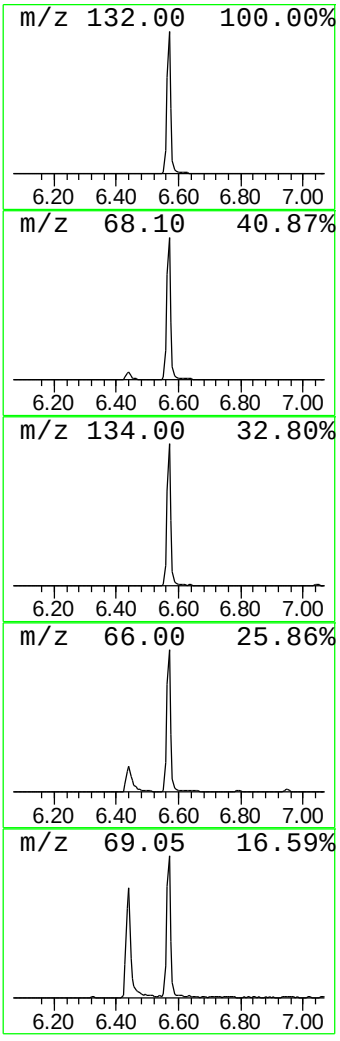
****

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	78.44 ng	930765	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

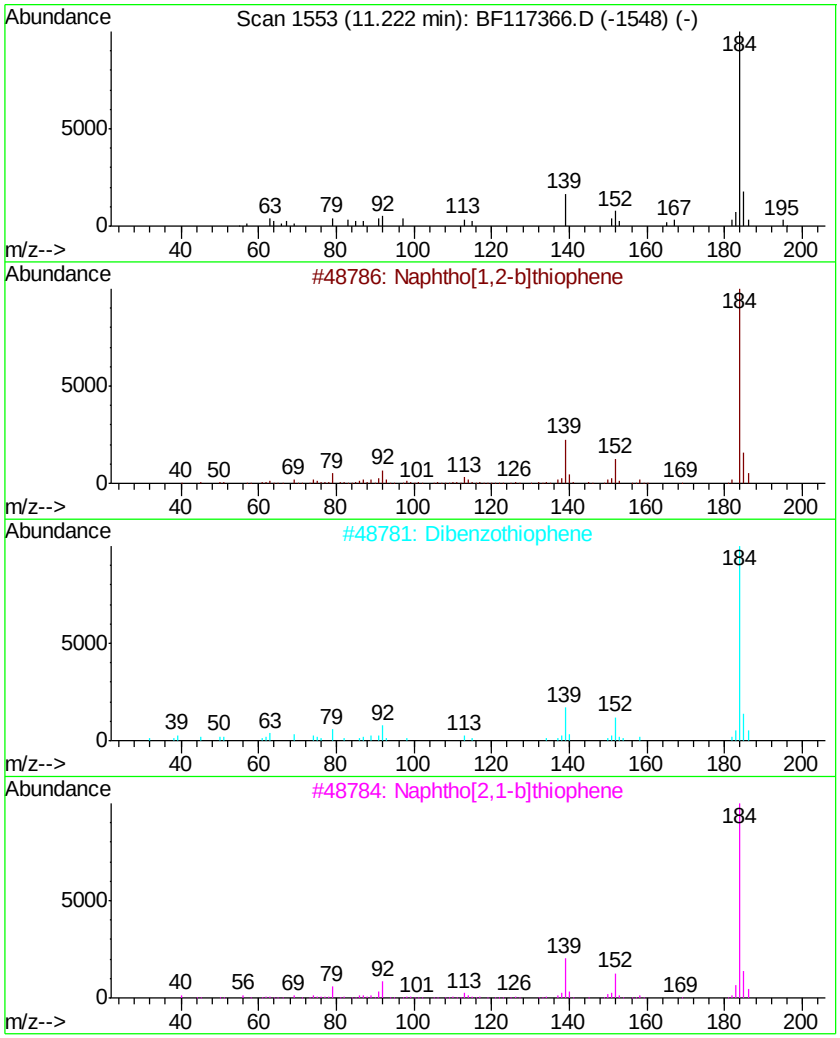
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

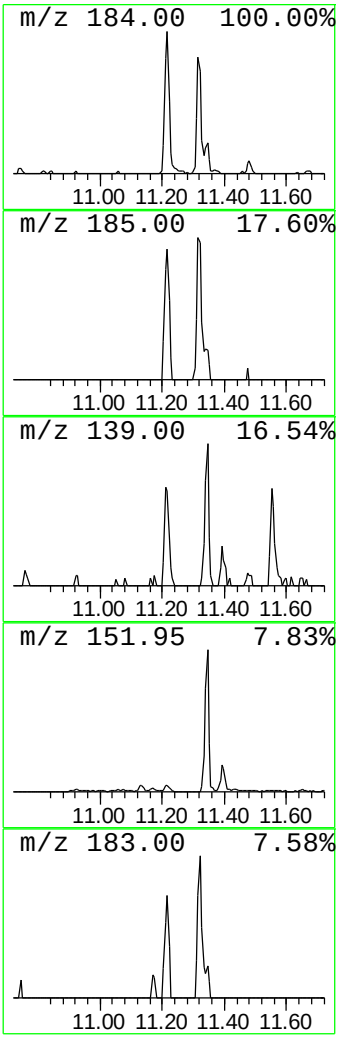
****

Peak Number 4 Naphtho[1,2-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	3.55 ng	65345	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101019\
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Misc :
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Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

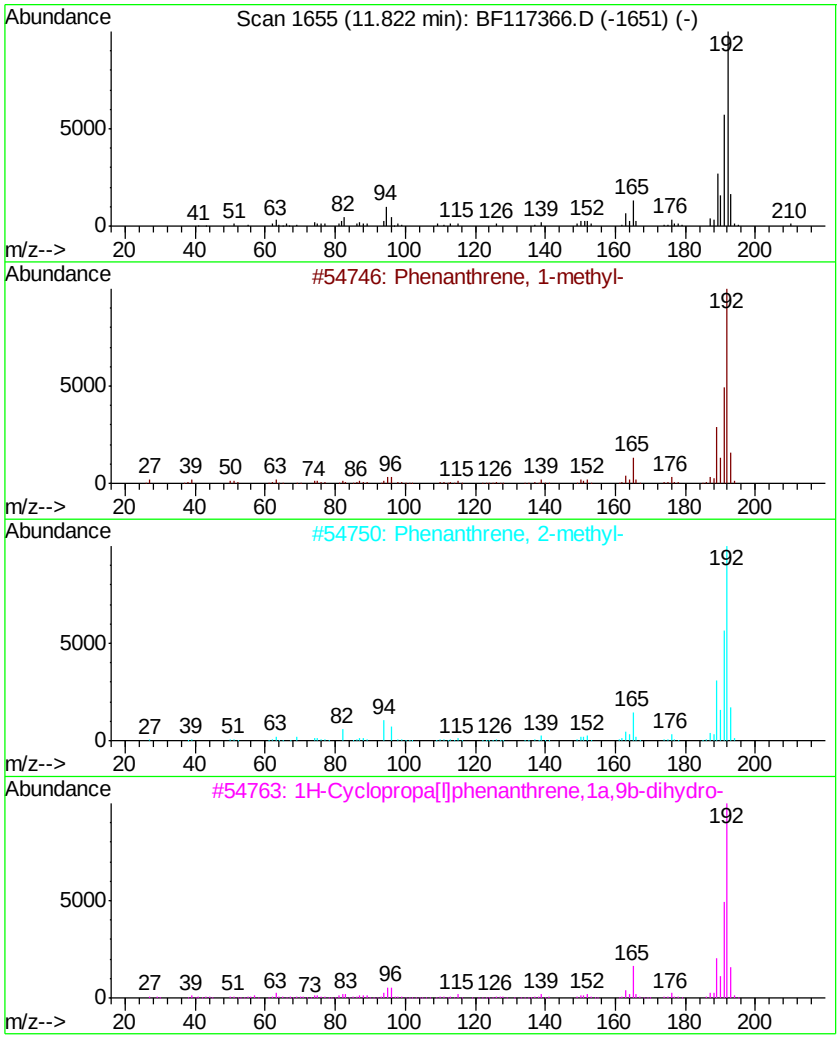
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

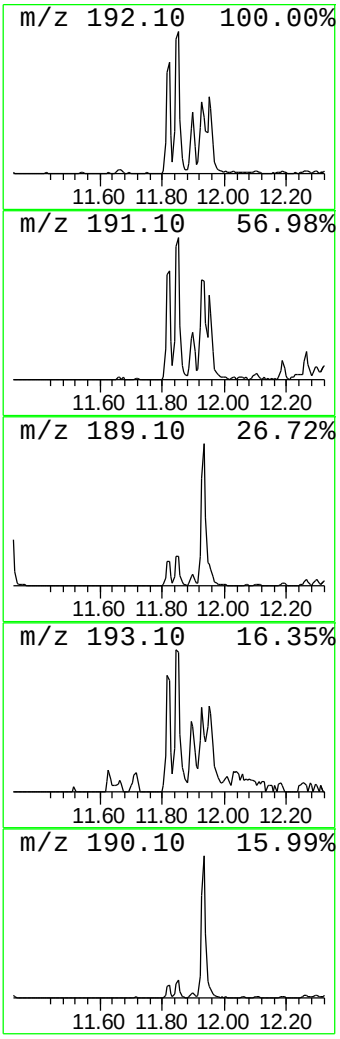
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	6.88 ng	126448	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101019\
Data File : BF117366.D
Acq On : 10 Oct 2019 18:02
Operator : JU
Sample : K5297-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

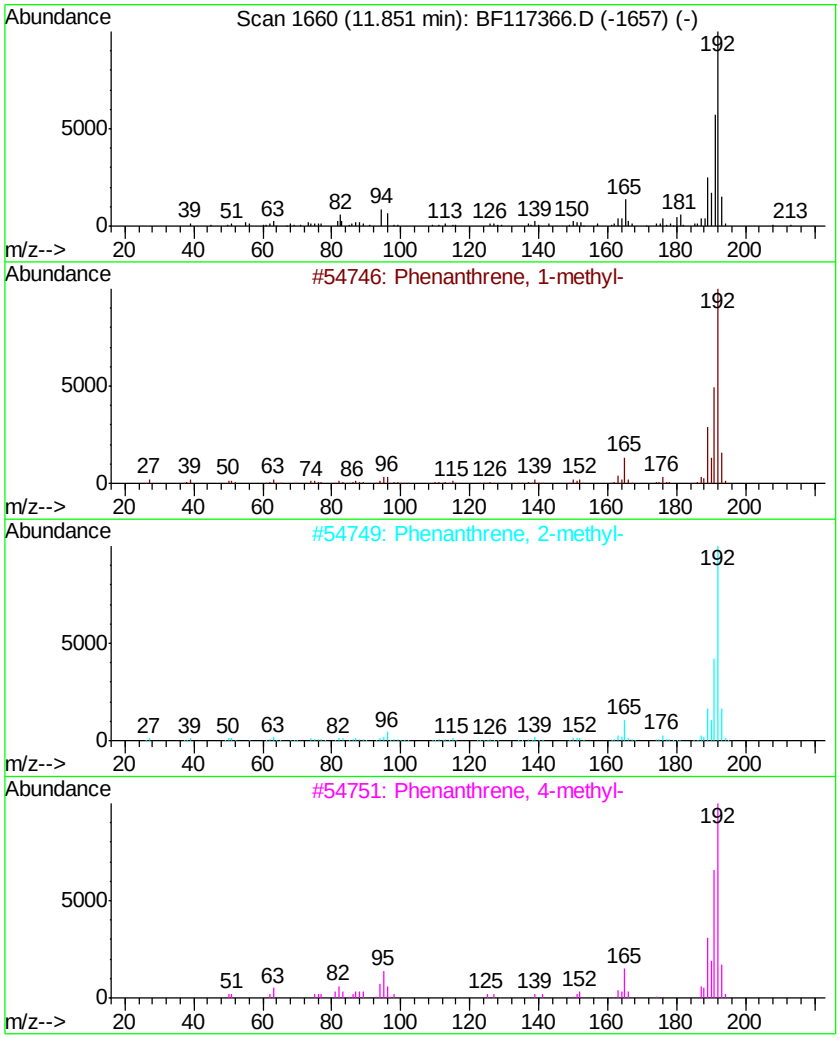
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

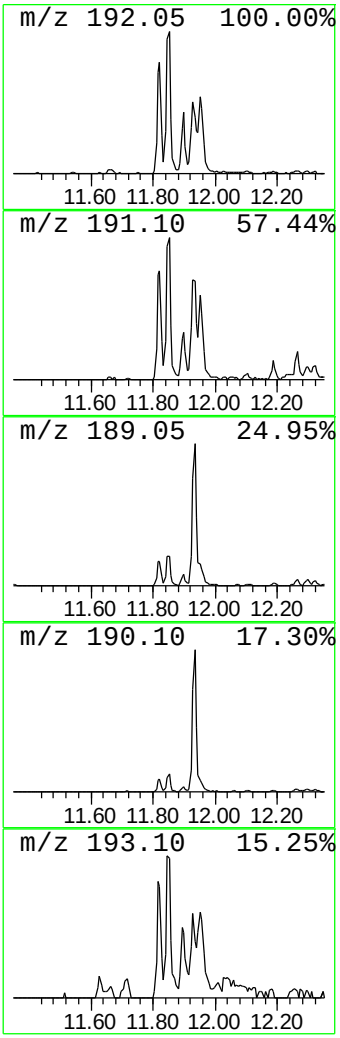
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	12.75 ng	234498	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Operator : JU
Sample : K5297-06
Misc :
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ClientSampleId : TP-2

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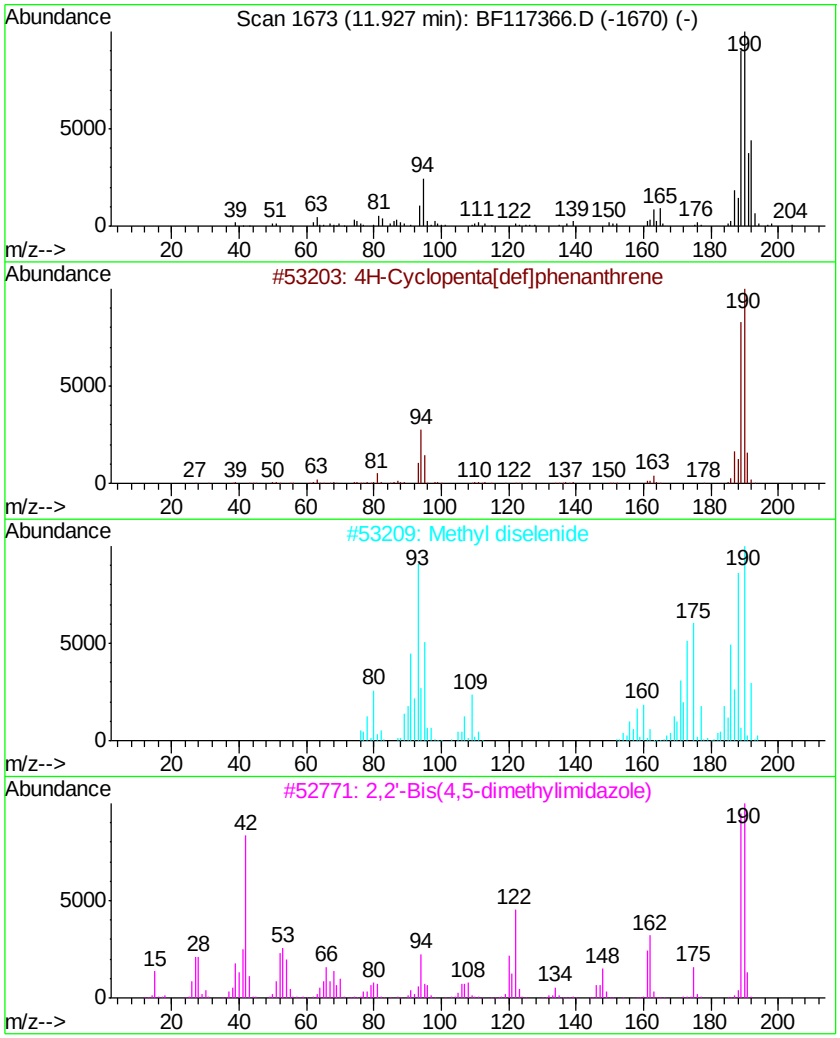
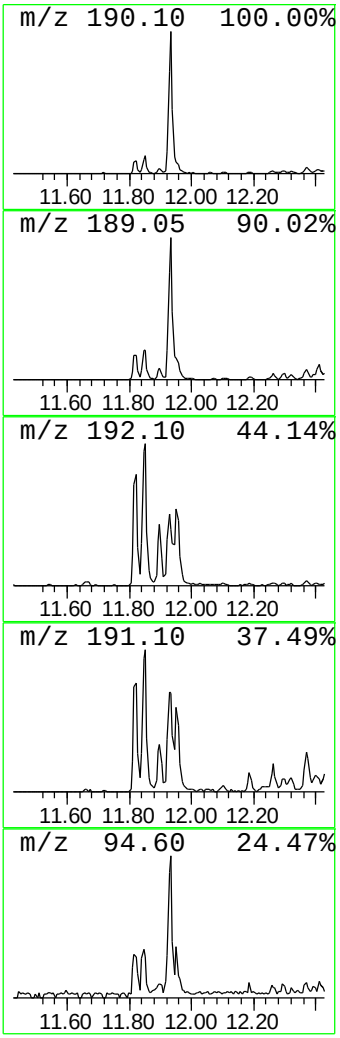
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	14.23 ng	261721	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	36





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Instrument : BNA_F
ClientSampleId : TP-2

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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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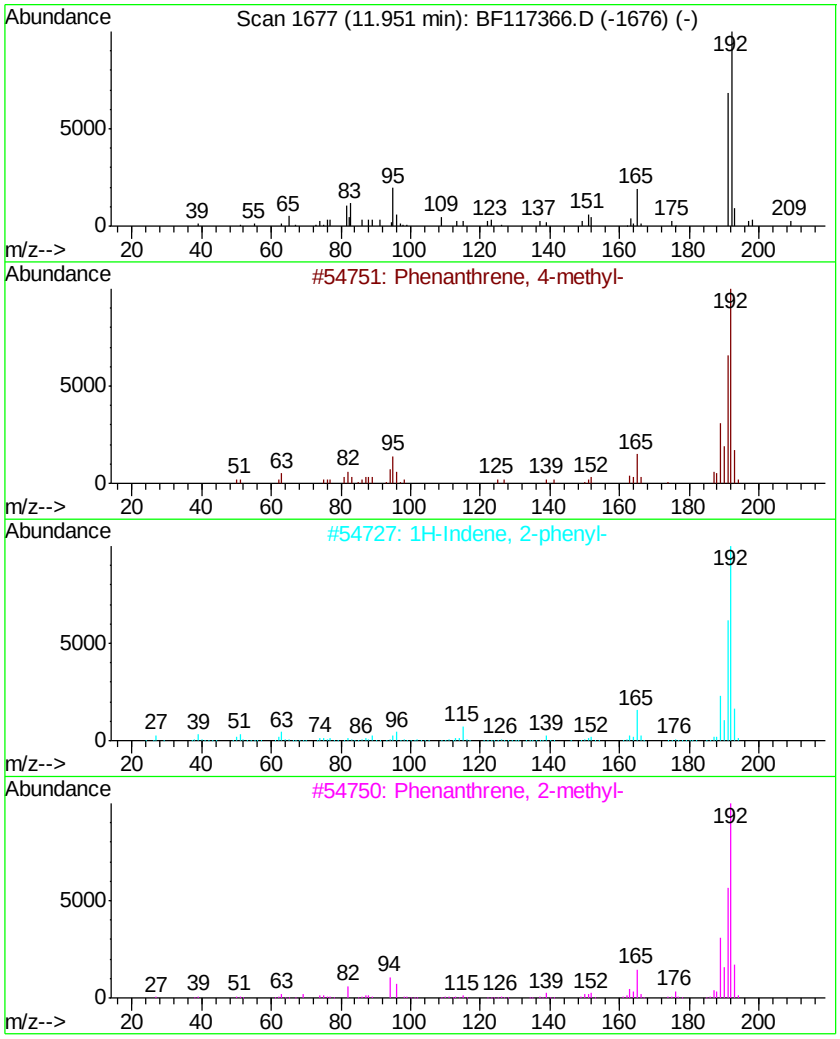
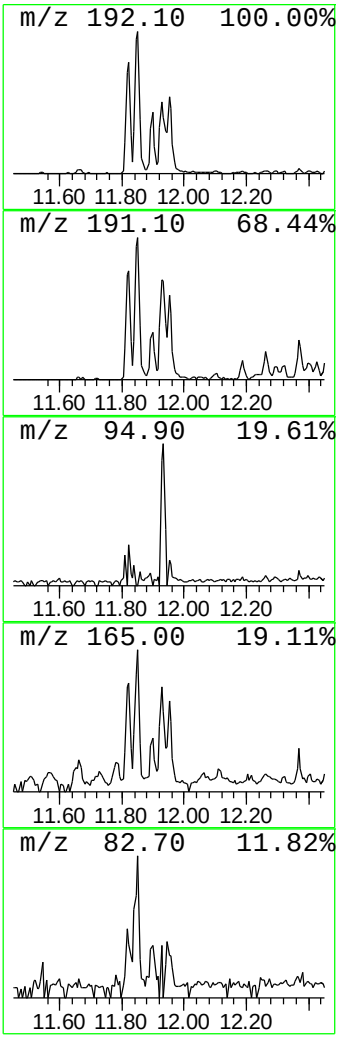
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	3.98 ng	73210	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	59
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	59
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	56





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TIC Integration Parameters: LSCINT.P

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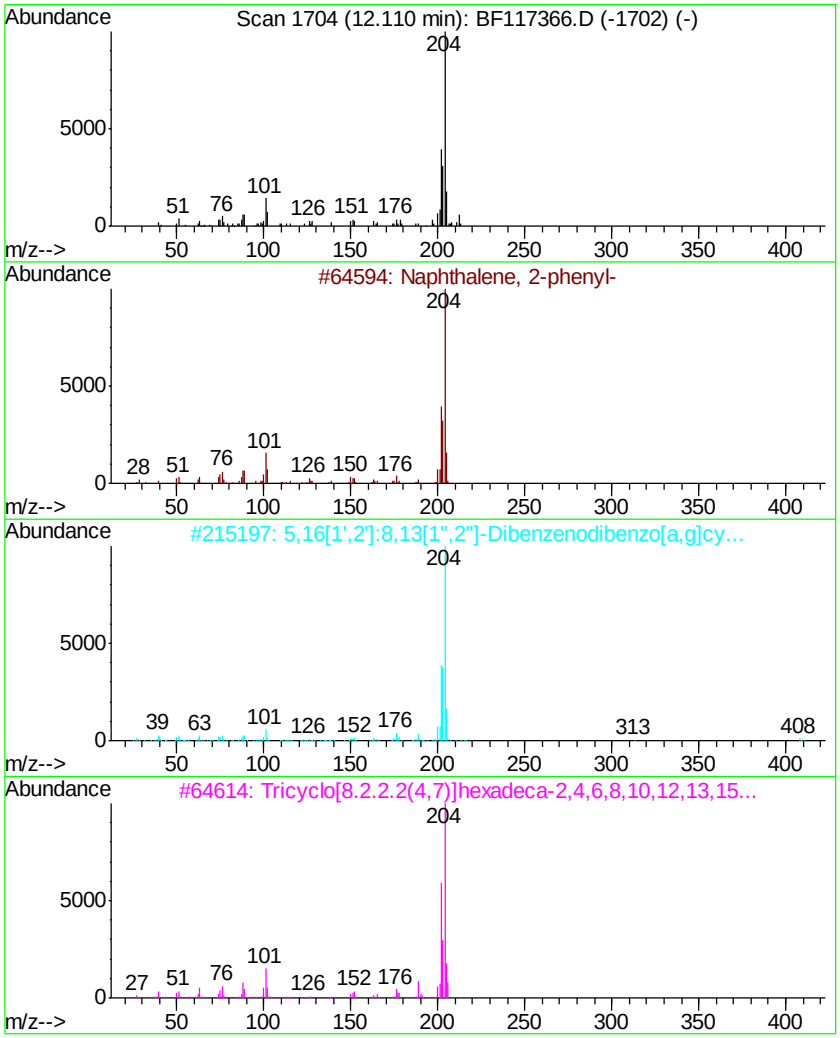
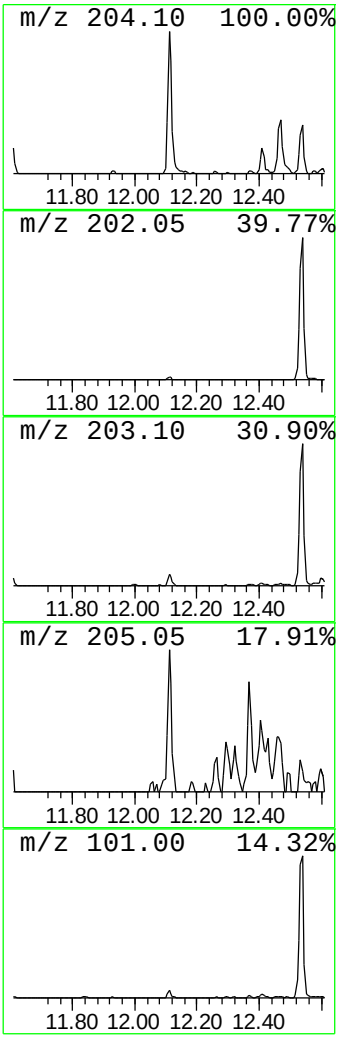
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	4.57 ng	84039	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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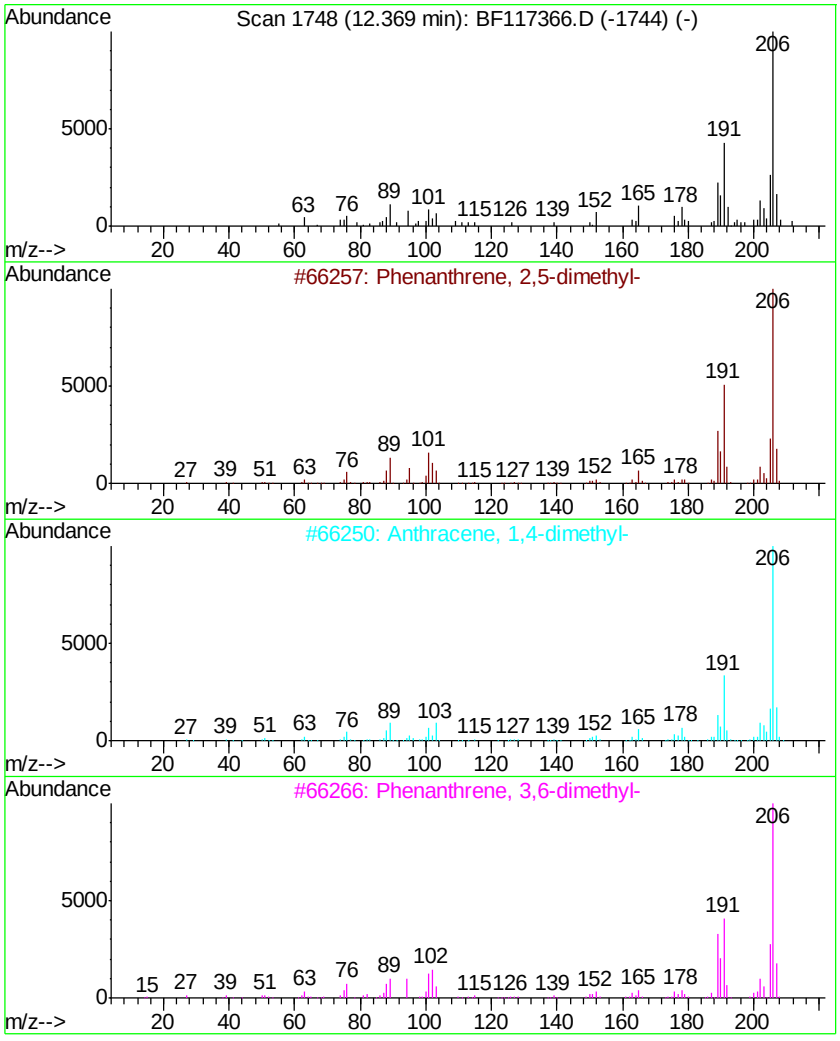
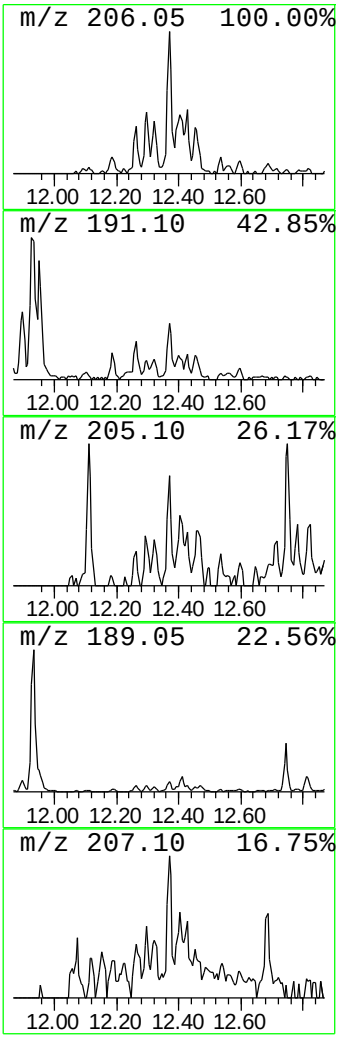
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.68 ng	67665	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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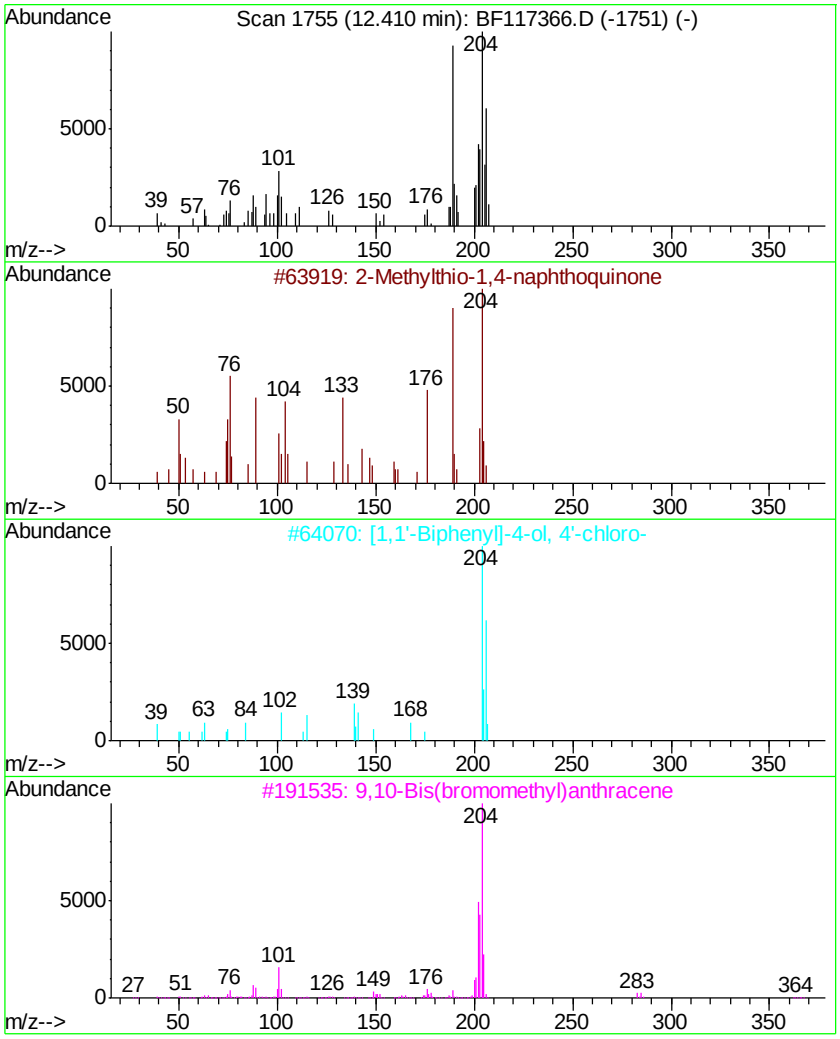
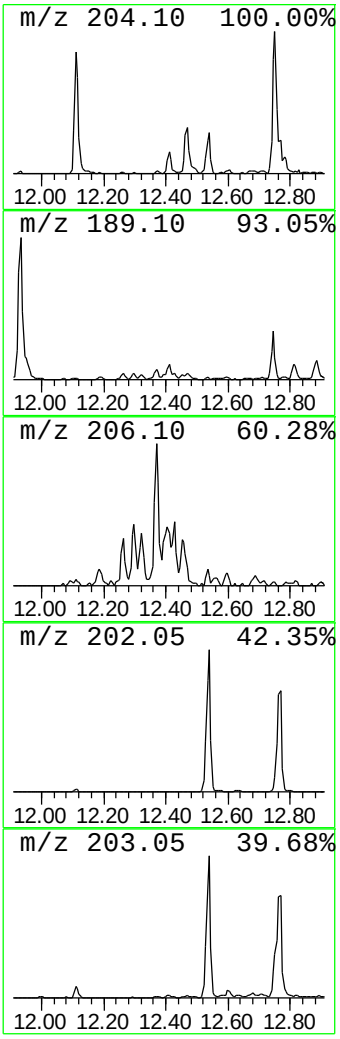
Peak Number 11 2-Methylthio-1,4-naphthoqui... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	3.36 ng	61813	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylthio-1,4-naphthoquinone	204	C11H8O2S	026037-60-5	50
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	5-Amino-6,8-dimethoxyquinoline	204	C11H12N2O2	1000213-95-2	37
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	35





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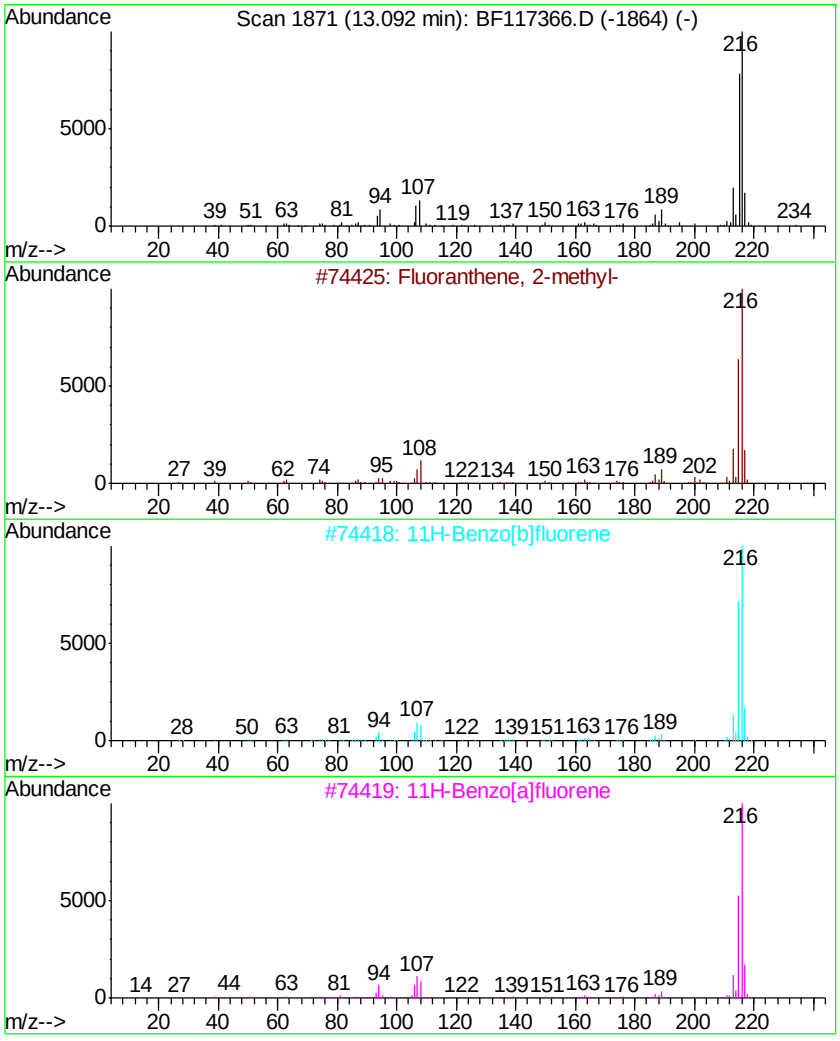
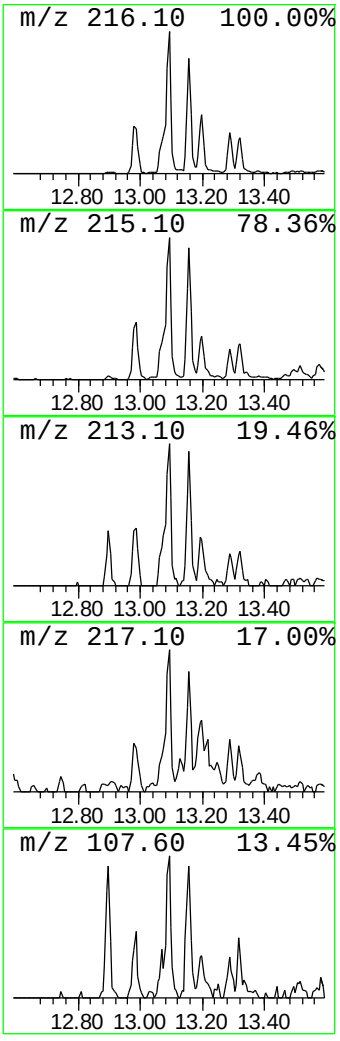
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	5.34 ng	253216	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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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
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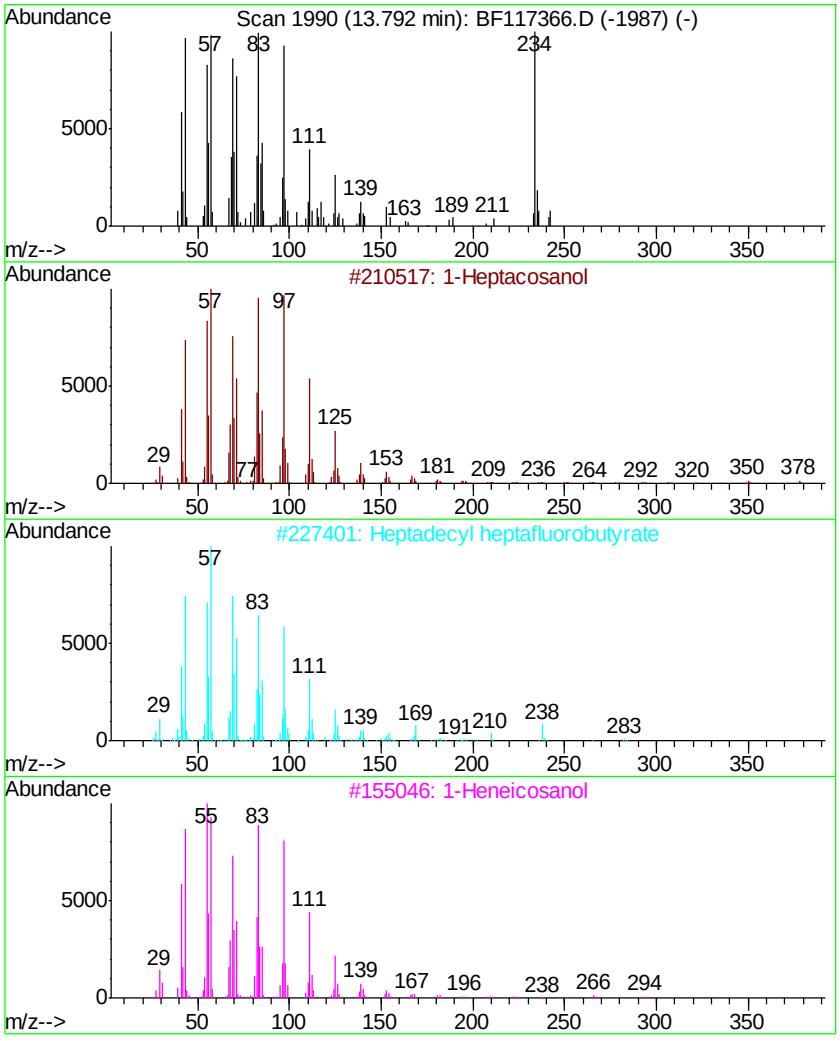
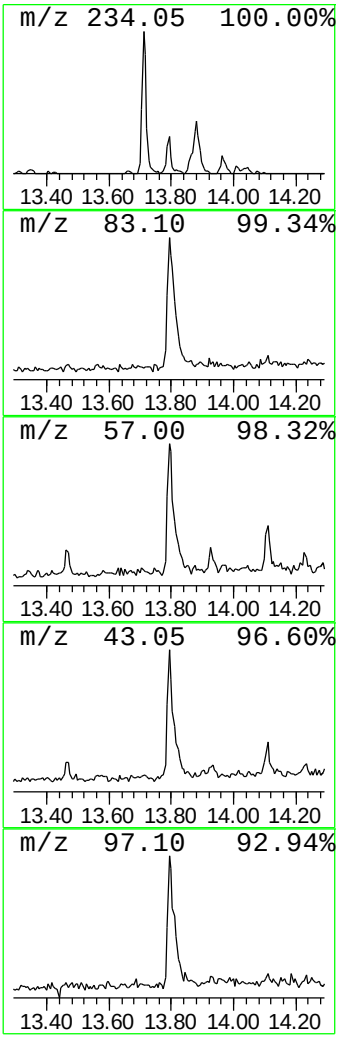
Peak Number 13 1-Heptacosanol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	3.34 ng	158590	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	76
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	74
3	1-Heneicosanol	312	C21H44O	015594-90-8	64
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	53
5	1-Hentetracontanol	593	C41H84O	040710-42-7	52





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TIC Integration Parameters: LSCINT.P

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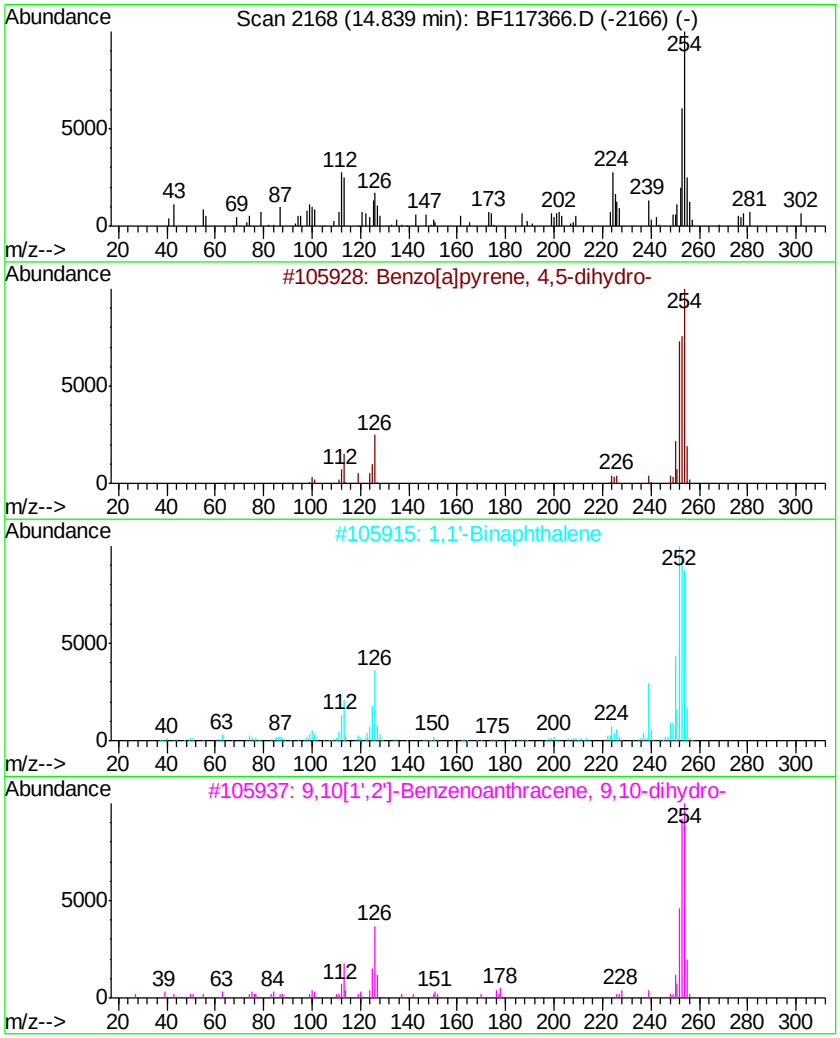
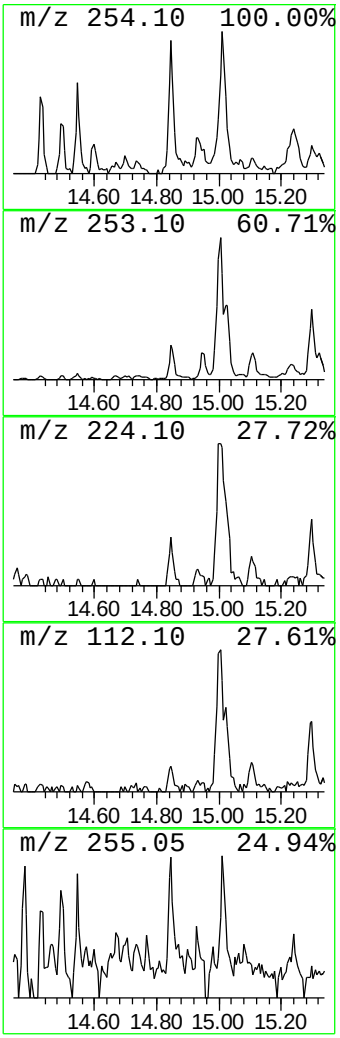
Peak Number 14 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	4.96 ng	82452	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	89
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	74
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
4	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	64
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	64





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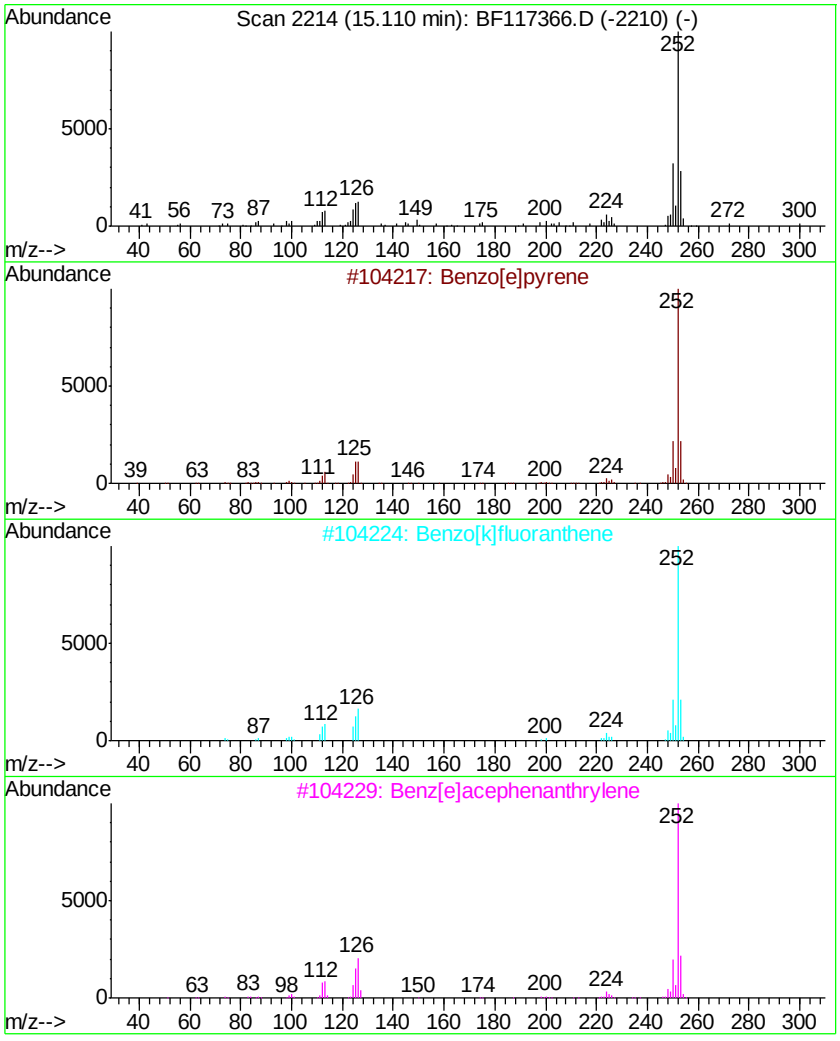
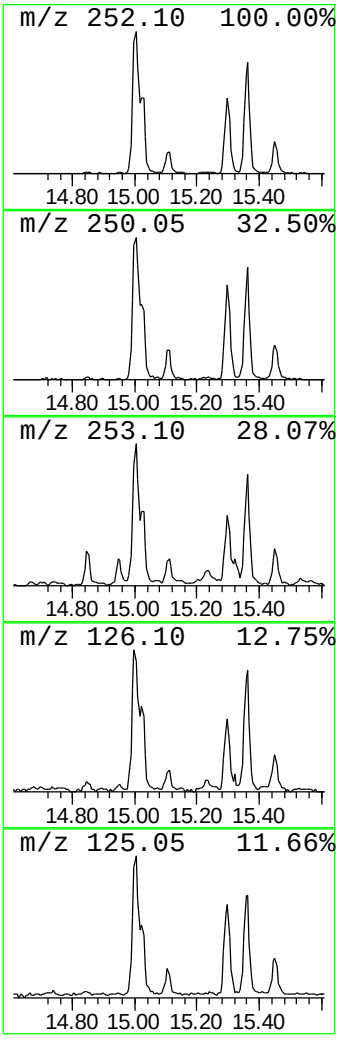
Peak Number 15 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	4.70 ng	78259	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Perylene	252	C20H12	000198-55-0	83





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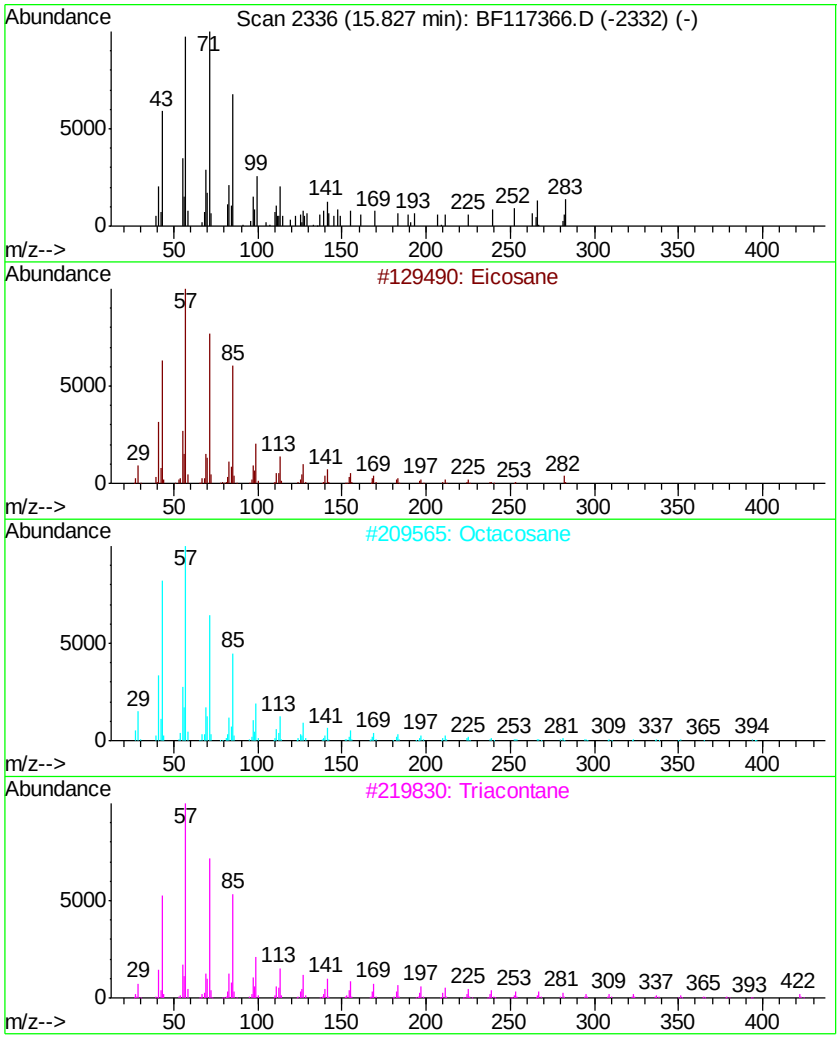
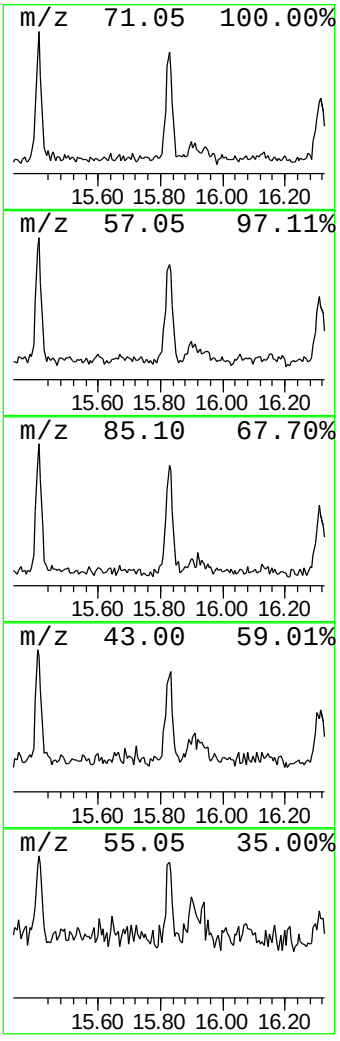
Peak Number 17 Eicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	5.02 ng	83469	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Octacosane	394	C28H58	000630-02-4	76
3	Triacontane	422	C30H62	000638-68-6	72
4	Hentriacontane	437	C31H64	000630-04-6	68
5	Hexacosane	366	C26H54	000630-01-3	68





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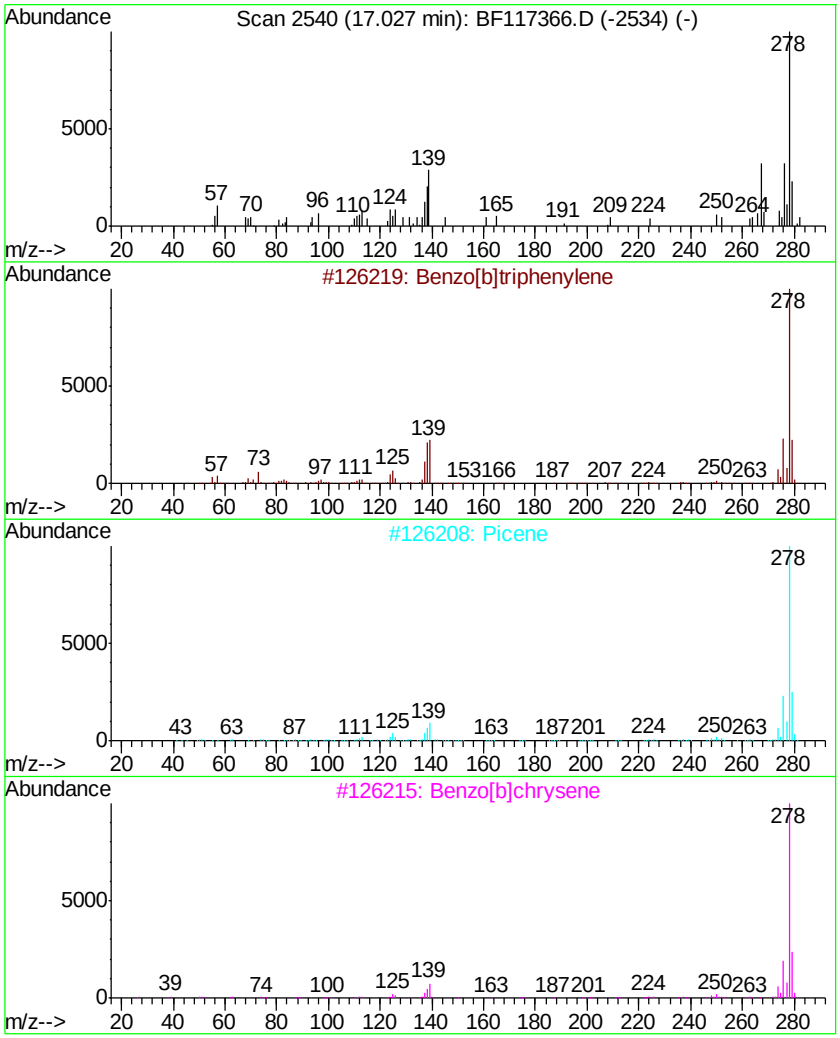
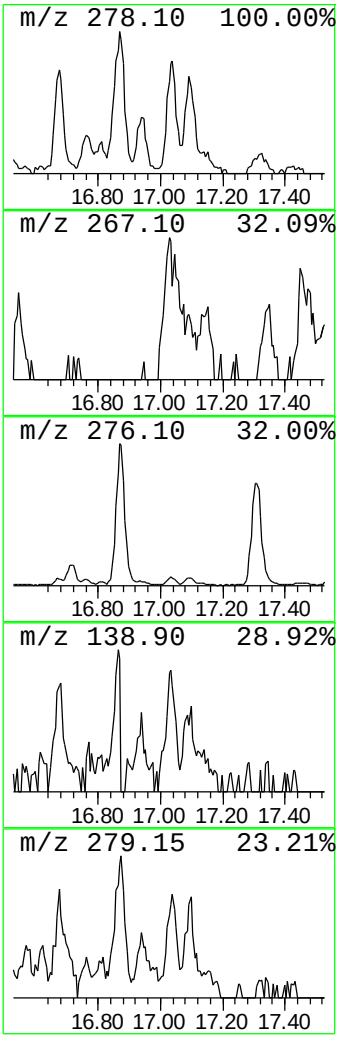
Peak Number 18 Benzo[b]triphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	5.71 ng	95042	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2	Picene	278	C22H14	000213-46-7	93
3	Benzo[b]chrysene	278	C22H14	000214-17-5	76
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	76
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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TIC Integration Parameters: LSCINT.P

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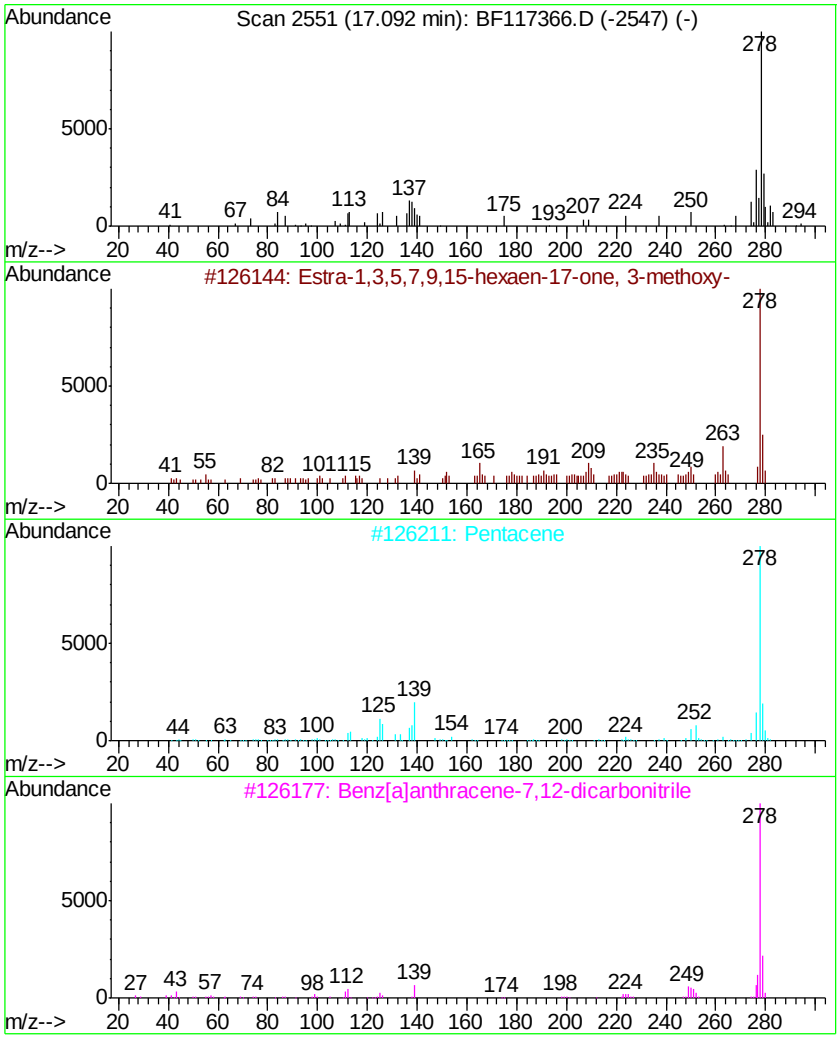
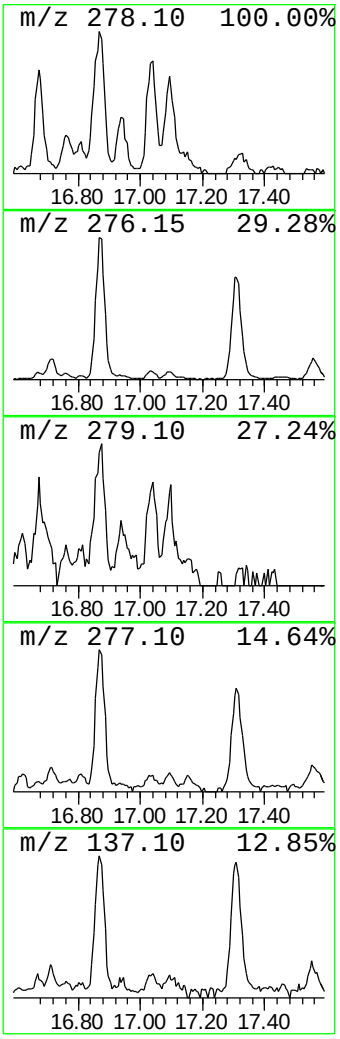
Peak Number 19 Estra-1,3,5,7,9,15-hexaen-1... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	5.37 ng	89272	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Estra-1,3,5,7,9,15-hexaen-17-one...	278	C19H18O2	056588-53-5	64
2	Pentacene	278	C22H14	000135-48-8	58
3	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	58
4	Pyridine-3-carbonitrile, 2-oxo-4...	278	C16H10N2OS	1000304-72-3	53
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101019\
Data File : BF117366.D
Acq On : 10 Oct 2019 18:02
Operator : JU
Sample : K5297-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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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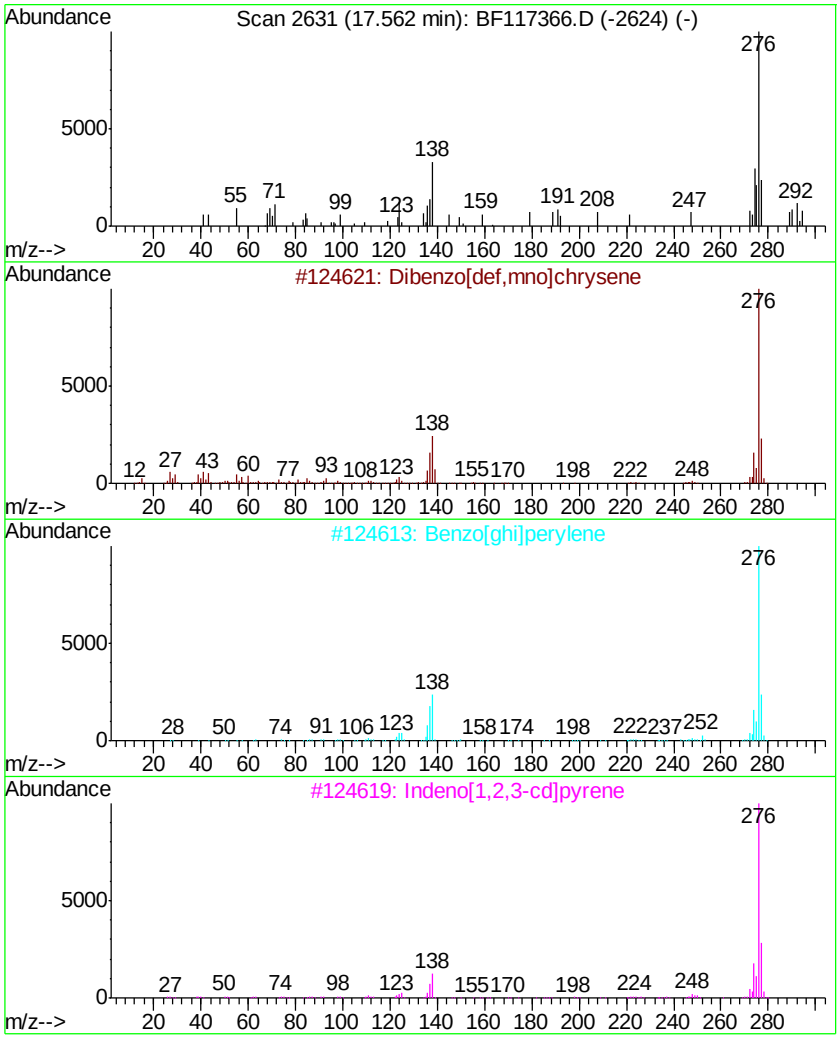
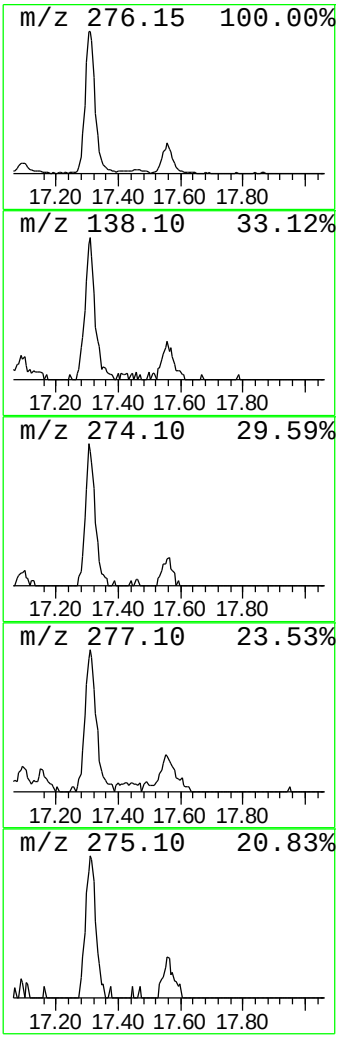
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	4.54 ng	75486	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	81
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	74
4	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	50
5	Indophenol blue	276	C18H16N2O	000132-31-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101019\
Data File : BF117366.D
Acq On : 10 Oct 2019 18:02
Operator : JU
Sample : K5297-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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...	5.00	4.8	ng	56751	1	6.79	237322	20.0
unknown6.57	6.57	78.4	ng	930765	1	6.79	237322	20.0
Naphtho[1,2-b]thi...	11.22	3.5	ng	65345	4	11.32	367722	20.0
Phenanthrene, 1-m...	11.82	6.9	ng	126448	4	11.32	367722	20.0
Phenanthrene, 2-m...	11.85	12.8	ng	234498	4	11.32	367722	20.0
4H-Cyclopenta[def...	11.93	14.2	ng	261721	4	11.32	367722	20.0
Phenanthrene, 4-m...	11.95	4.0	ng	73210	4	11.32	367722	20.0
Naphthalene, 2-ph...	12.11	4.6	ng	84039	4	11.32	367722	20.0
Phenanthrene, 2,5...	12.37	3.7	ng	67665	4	11.32	367722	20.0
2-Methylthio-1,4-...	12.41	3.4	ng	61813	4	11.32	367722	20.0
Fluoranthene, 2-m...	13.09	5.3	ng	253216	5	13.96	948338	20.0
1-Heptacosanol	13.79	3.3	ng	158590	5	13.96	948338	20.0
Benzo[a]pyrene, 4...	14.84	5.0	ng	82452	6	15.42	332766	20.0
Benzo[e]pyrene	15.11	4.7	ng	78259	6	15.42	332766	20.0
Eicosane	15.83	5.0	ng	83469	6	15.42	332766	20.0
Benzo[b]triphenylene	17.03	5.7	ng	95042	6	15.42	332766	20.0
Estra-1,3,5,7,9,1...	17.09	5.4	ng	89272	6	15.42	332766	20.0
Dibenzo[def,mno]c...	17.56	4.5	ng	75486	6	15.42	332766	20.0