LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113469.D
Acq On : 1 Apr 2019 16:28
Operator : JU/SJ
Sample : K2056-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-10

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-BF032519.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	5.322	546	550	567	rBV	2854173	3125004	85.04%	6.842%
2	6.357	721	726	743	rBV	3085296	3277209	89.18%	7.176%
3	6.481	743	747	750	rBV	3558836	3210485	87.37%	7.030%
4	6.704	782	785	796	rVB	910651	768971	20.93%	1.684%
5	6.863	808	812	815	rBV	3004484	2560934	69.69%	5.607%
6	7.269	877	881	884	rBV	2088974	1921745	52.30%	4.208%
7	7.986	999	1003	1024	rBV	1037197	986603	26.85%	2.160%
8	9.063	1182	1186	1189	rBV	4097384	3626929	98.70%	7.941%
9	9.457	1250	1253	1267	rVB	191239	196285	5.34%	0.430%
10	9.598	1273	1277	1282	rBV	90943	82940	2.26%	0.182%
11	9.733	1296	1300	1311	rBV	1139039	1096208	29.83%	2.400%
12	10.522	1430	1434	1447	rBV	2118997	2196215	59.77%	4.809%
13	11.027	1517	1520	1523	rBV	47758	45685	1.24%	0.100%
14	11.216	1548	1552	1554	rBV	1199766	1089406	29.65%	2.385%
15	11.239	1554	1556	1560	rVV	537123	466458	12.69%	1.021%
16	11.292	1560	1565	1569	rVB	142072	153921	4.19%	0.337%
17	11.451	1587	1592	1599	rBV2	163409	238323	6.49%	0.522%
18	11.716	1633	1637	1639	rBV	79583	73761	2.01%	0.162%
19	11.745	1639	1642	1649	rVV3	209315	273577	7.44%	0.599%
20	11.827	1652	1656	1658	rVV2	119305	138747	3.78%	0.304%
21	11.845	1658	1659	1665	rVB2	55552	54736	1.49%	0.120%
22	12.010	1683	1687	1689	rBV	79808	66441	1.81%	0.145%
23	12.039	1689	1692	1696	rVV	265729	229236	6.24%	0.502%
24	12.157	1707	1712	1715	rBV3	40676	52381	1.43%	0.115%
25	12.263	1726	1730	1732	rBV	52035	50905	1.39%	0.111%
26	12.292	1732	1735	1742	rVV4	87656	146753	3.99%	0.321%
27	12.351	1742	1745	1753	rVB	184636	169711	4.62%	0.372%
28	12.427	1753	1758	1761	rBV	2227805	2250574	61.24%	4.928%
29	12.486	1766	1768	1771	rVV	54733	54639	1.49%	0.120%
30	12.533	1771	1776	1779	rVV2	216005	328479	8.94%	0.719%
31	12.563	1779	1781	1789	rVV3	130552	223219	6.07%	0.489%
32	12.651	1789	1796	1799	rVV	1874527	1886345	51.33%	4.130%
33	12.698	1802	1804	1812	rVB	109075	116734	3.18%	0.256%
34	12.792	1813	1820	1829	rBV	3384623	3674737	100.00%	8.046%

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Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.868	1829	1833	1837	rBV3	106198	157386	4.28%	0.345%
36	12.957	1844	1848	1855	rVB4	133543	289899	7.89%	0.635%
37	13.080	1865	1869	1872	rBV2	149463	166394	4.53%	0.364%
38	13.174	1882	1885	1887	rBV	58962	51660	1.41%	0.113%
39	13.204	1887	1890	1897	rVB3	63176	95402	2.60%	0.209%
40	13.263	1897	1900	1903	rBV	42970	44883	1.22%	0.098%
41	13.333	1908	1912	1914	rBV	63052	64023	1.74%	0.140%
42	13.416	1924	1926	1931	rVB2	61451	63655	1.73%	0.139%
43	13.486	1935	1938	1945	rVB	391281	375842	10.23%	0.823%
44	13.592	1952	1956	1959	rBV	295342	317156	8.63%	0.694%
45	13.621	1959	1961	1963	rVV	165906	150089	4.08%	0.329%
46	13.645	1963	1965	1971	rVV3	159500	202633	5.51%	0.444%
47	13.692	1971	1973	1977	rVB	353039	309778	8.43%	0.678%
48	13.727	1977	1979	1982	rBV	44455	45661	1.24%	0.100%
49	13.845	1994	1999	2001	rBV	1083800	1390343	37.84%	3.044%
50	13.868	2001	2003	2012	rVB	877916	837808	22.80%	1.834%
51	13.968	2018	2020	2023	rBV2	56974	56791	1.55%	0.124%
52	14.010	2025	2027	2033	rVB5	94422	107286	2.92%	0.235%
53	14.074	2033	2038	2040	rBV3	48168	78179	2.13%	0.171%
54	14.227	2060	2064	2067	rVB2	57290	75717	2.06%	0.166%
55	14.274	2067	2072	2076	rBV2	152585	220690	6.01%	0.483%
56	14.315	2076	2079	2082	rVB	137725	145052	3.95%	0.318%
57	14.351	2082	2085	2087	rBV3	68945	78135	2.13%	0.171%
58	14.421	2095	2097	2103	rVB	50989	64904	1.77%	0.142%
59	14.539	2113	2117	2124	rBV	101313	145808	3.97%	0.319%
60	14.610	2126	2129	2133	rVB	150183	147589	4.02%	0.323%
61	14.651	2133	2136	2143	rBV3	128761	213599	5.81%	0.468%
62	14.704	2143	2145	2148	rVB2	43549	43597	1.19%	0.095%
63	14.851	2166	2170	2178	rBV2	791742	1429993	38.91%	3.131%
64	14.921	2178	2182	2185	rVV2	202803	240336	6.54%	0.526%
65	14.957	2185	2188	2191	rVB	52807	55768	1.52%	0.122%
66	15.033	2199	2201	2208	rVB4	45322	55037	1.50%	0.121%
67	15.133	2214	2218	2224	rVB	431067	517001	14.07%	1.132%
68	15.192	2224	2228	2232	rBV	179537	225867	6.15%	0.495%
69	15.251	2233	2238	2249	rVB	868034	1342167	36.52%	2.939%
70	15.662	2304	2308	2314	rBV	149588	208693	5.68%	0.457%
71	16.121	2382	2386	2395	rVB2	100378	172987	4.71%	0.379%

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Misc :
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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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72	16.609	2463	2469	2476	rBV3	195774	440168	11.98%	0.964%
73	17.021	2533	2539	2549	rVB	96950	209182	5.69%	0.458%

Sum of corrected areas: 45671454

LSC Report - Integrated Chromatogram

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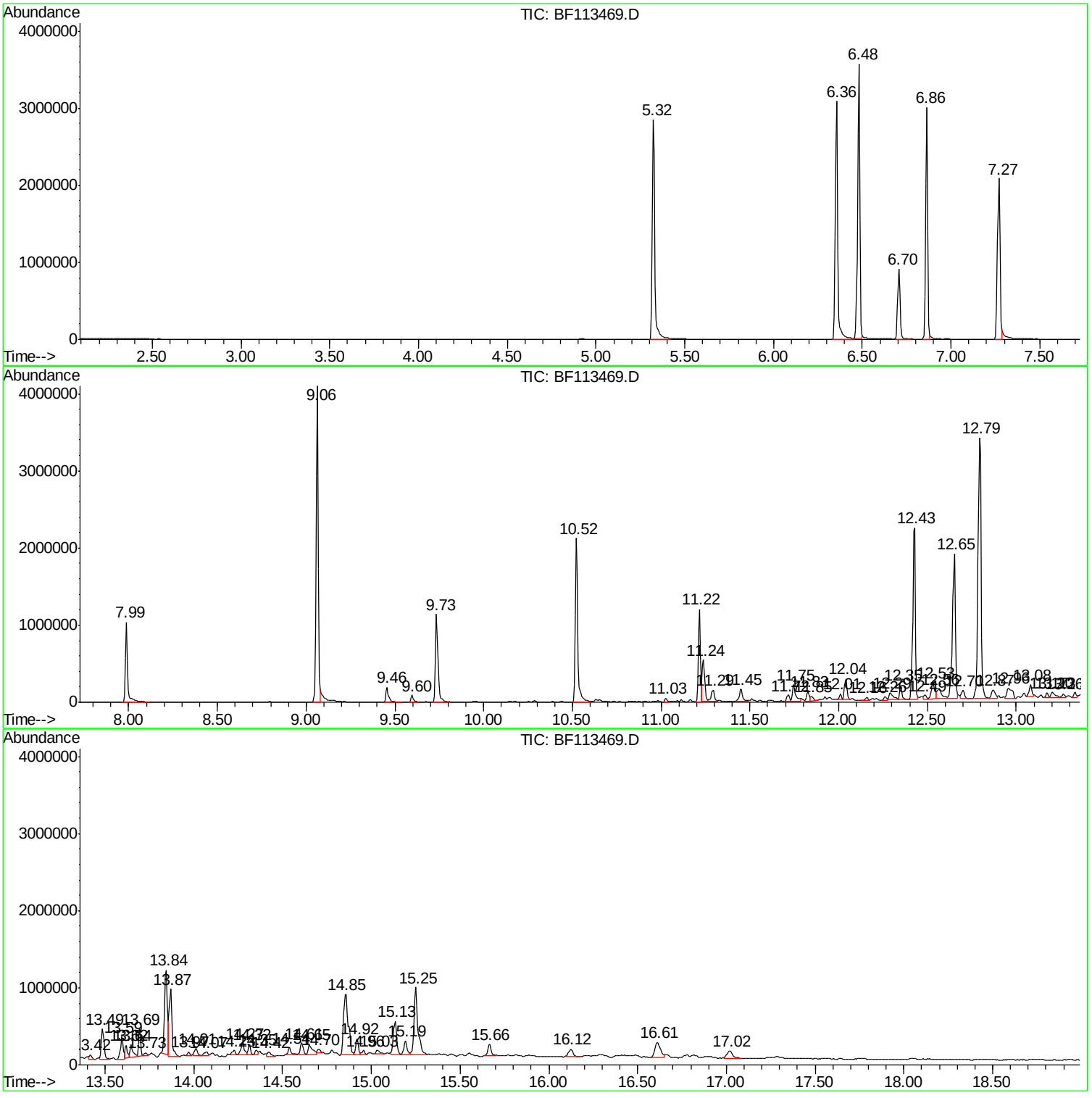
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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\BF040119\
Data File : BF113469.D
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Operator : JU/SJ
Sample : K2056-04
Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

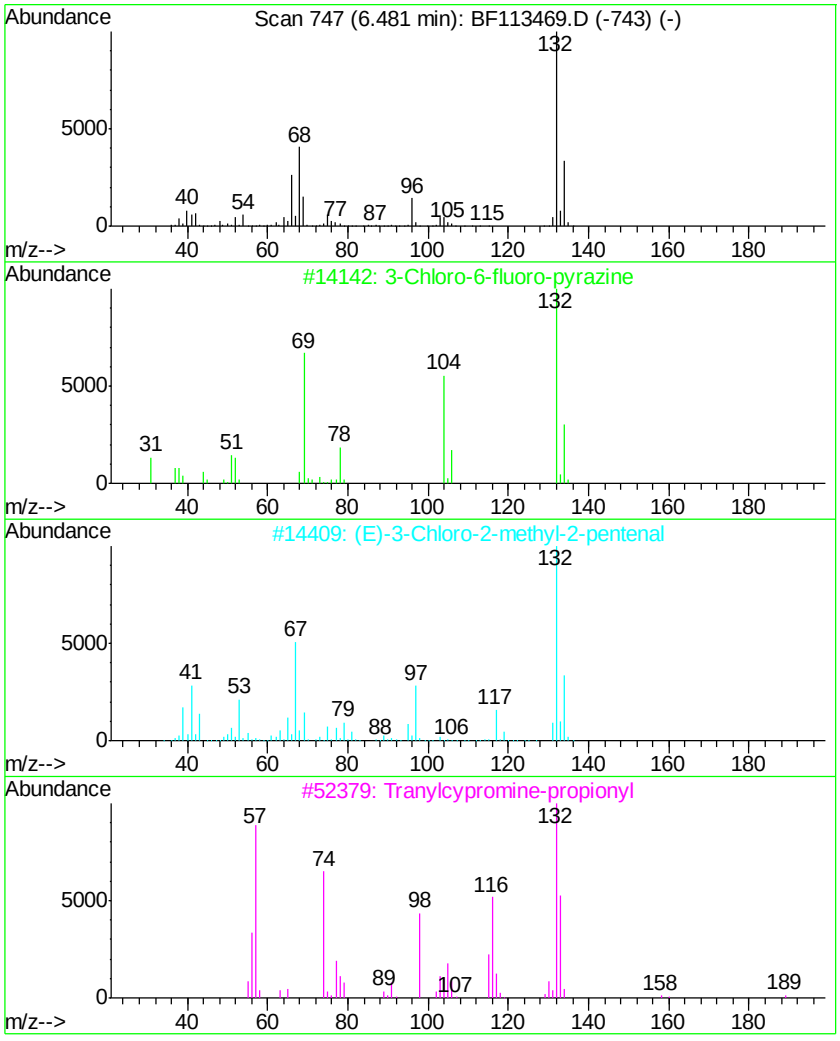
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

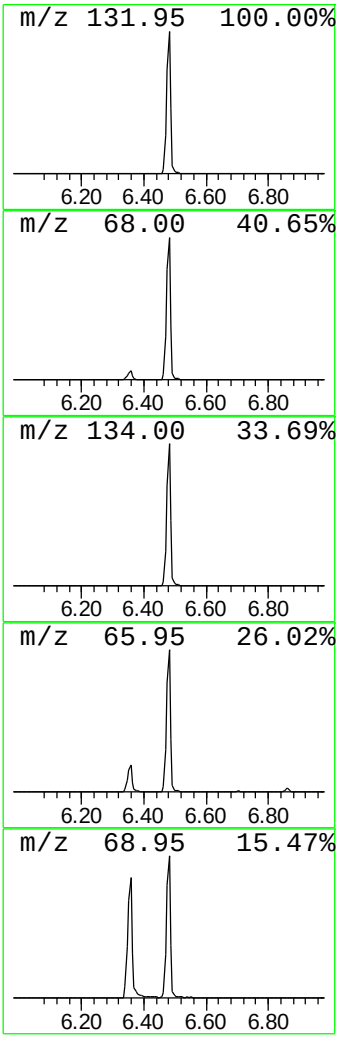
****

Peak Number 1 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	83.50 ng	3210490	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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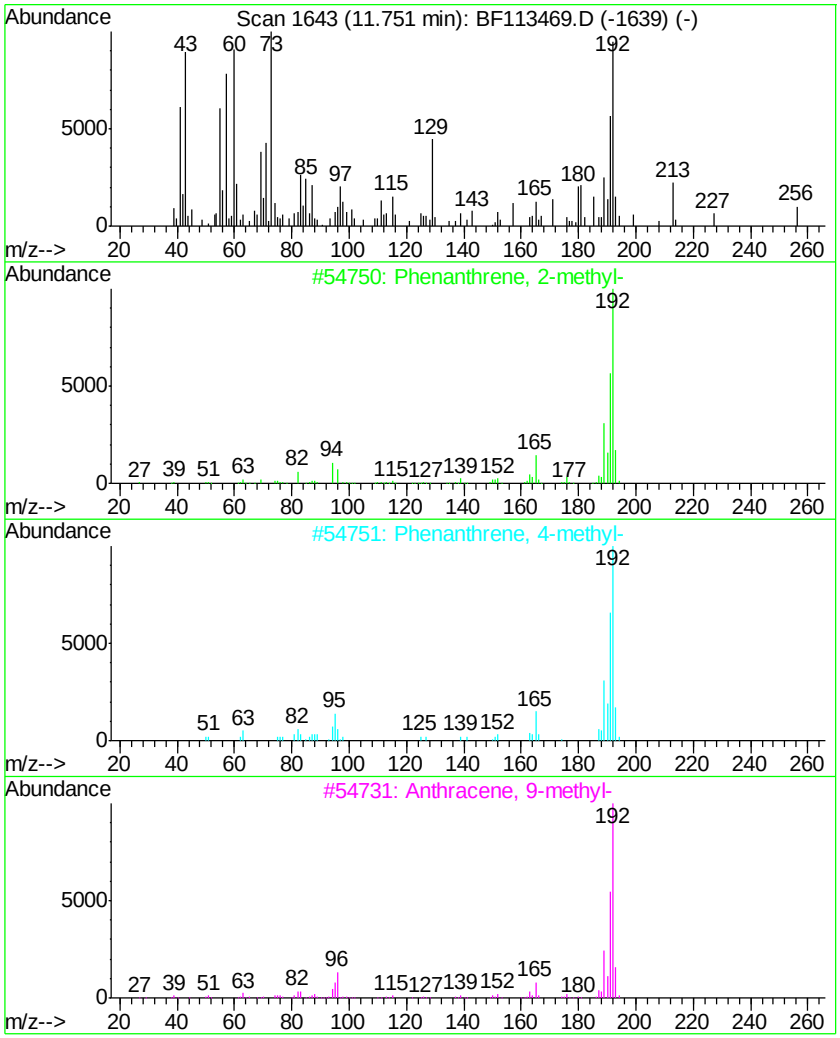
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

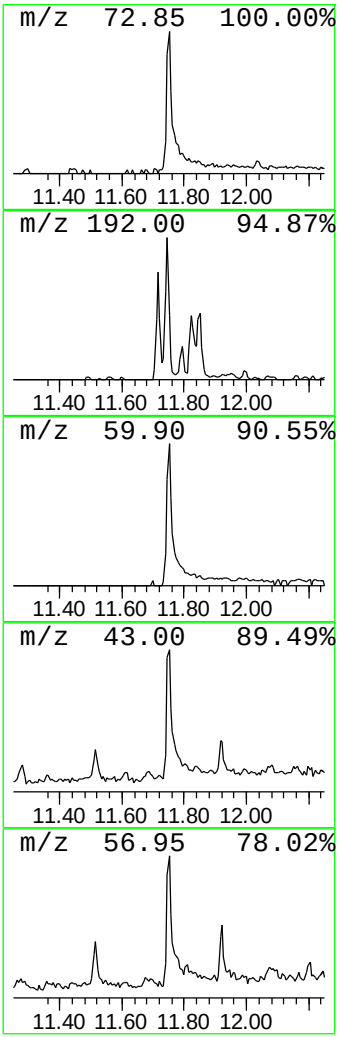
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	5.02 ng	273577	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Sample : K2056-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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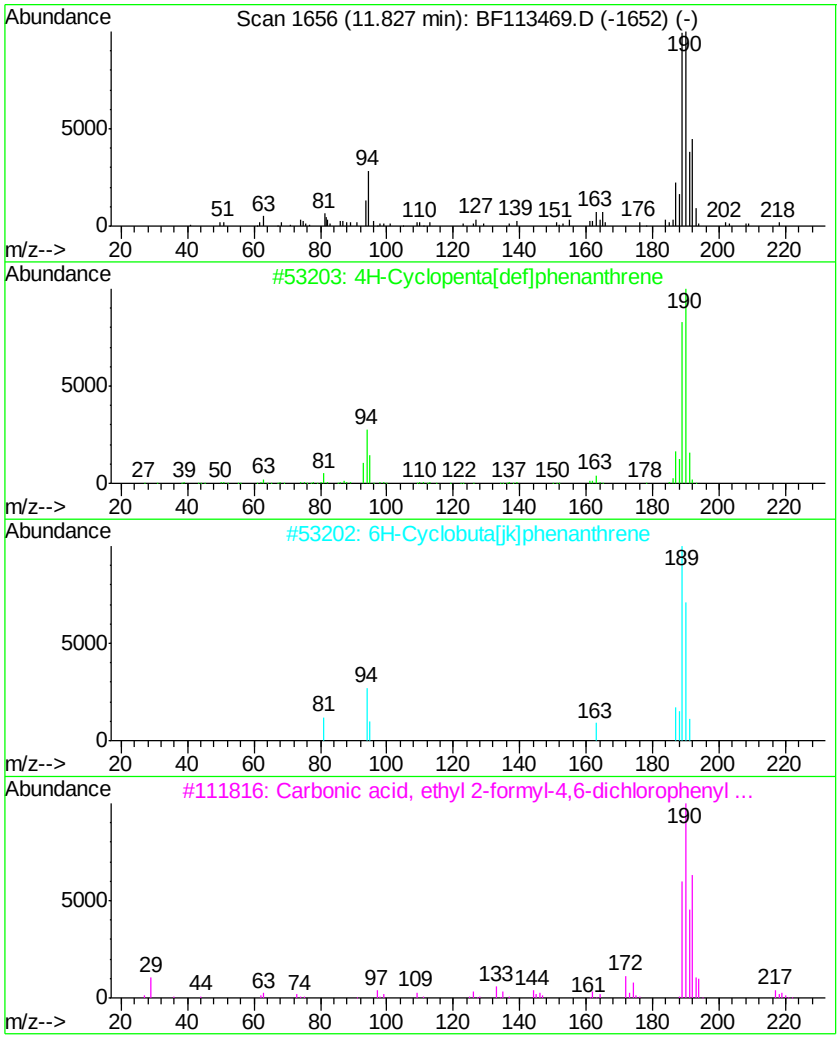
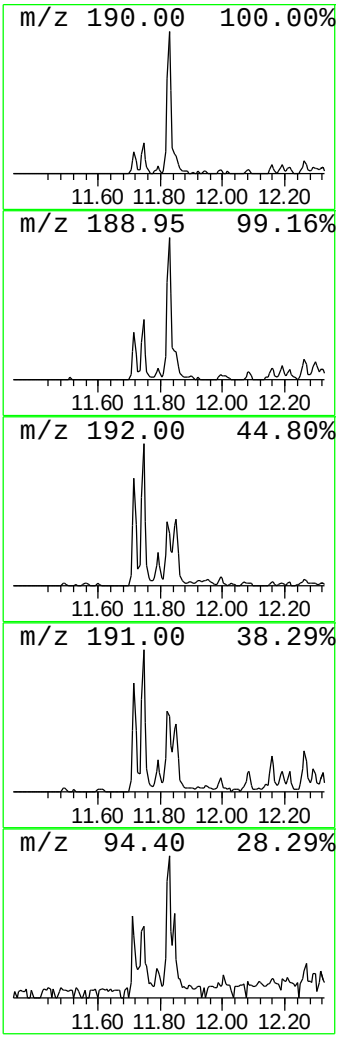
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.55 ng	138747	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	38
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	32





Library Search Compound Report

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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
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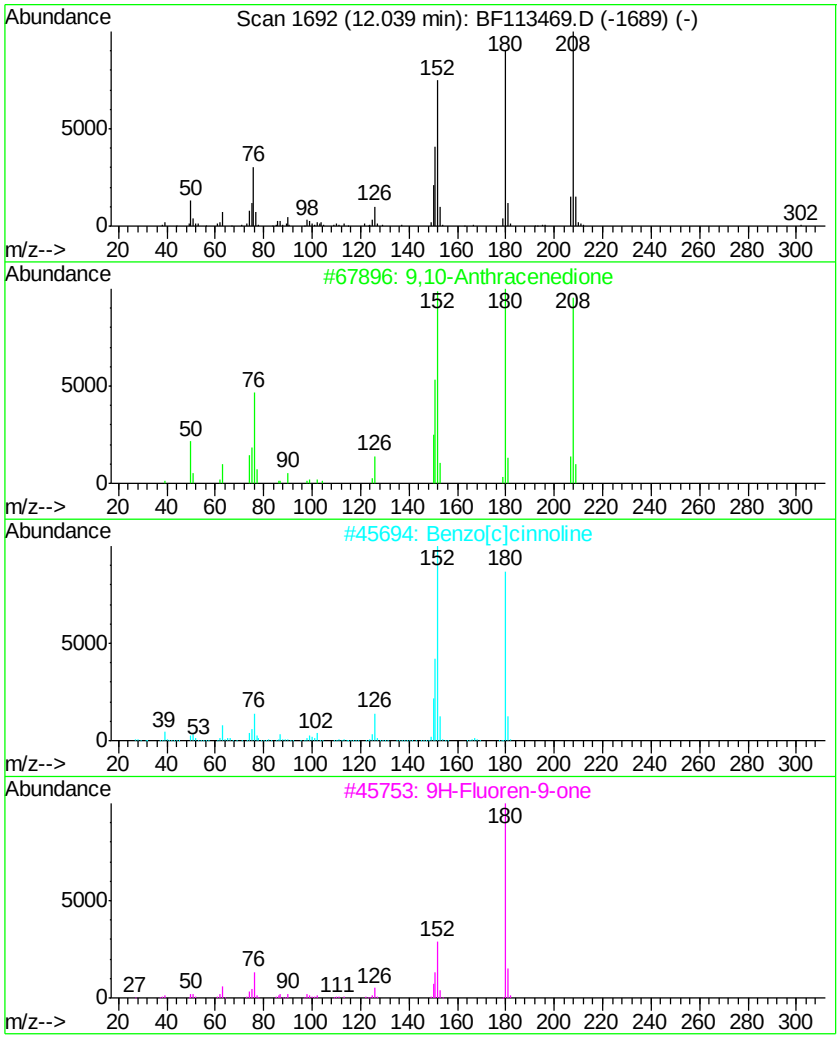
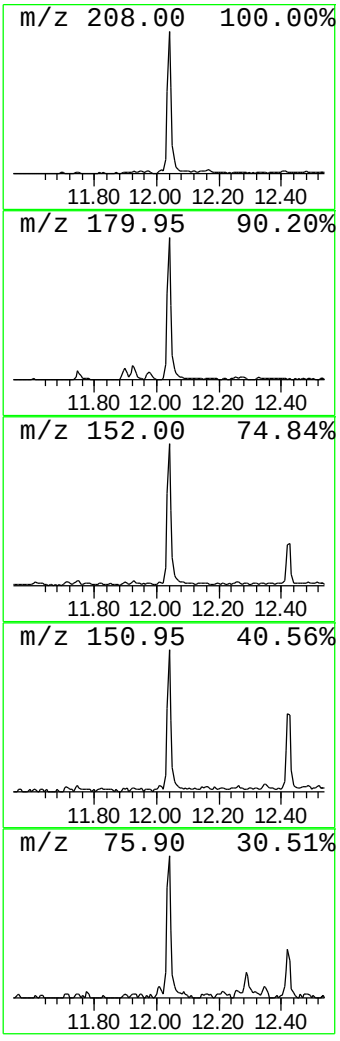
Peak Number 5 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	4.21 ng	229236	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Instrument : BNA_F
ClientSampleId : CS-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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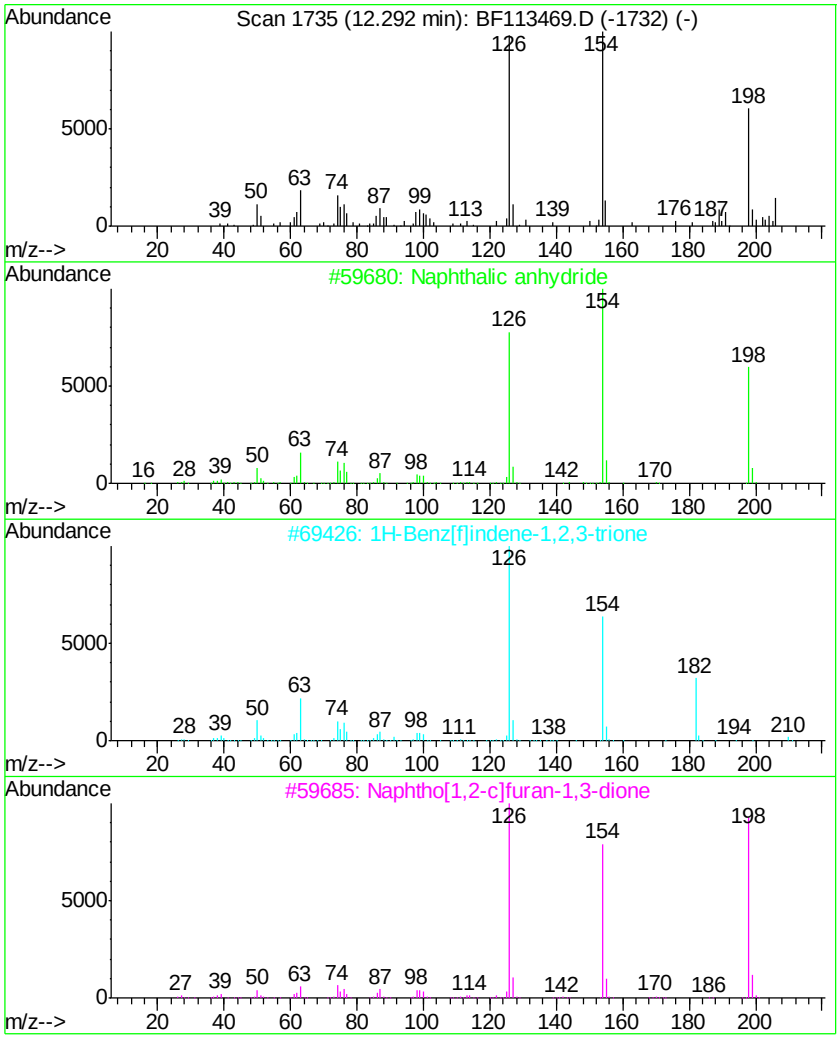
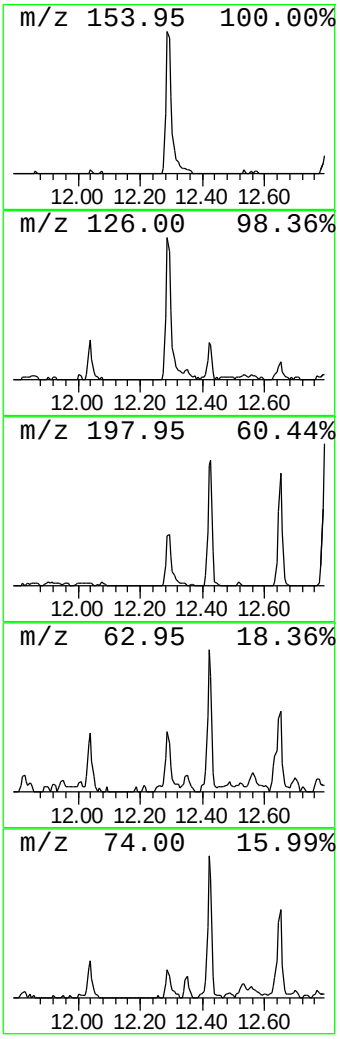
Peak Number 6 Naphthalic anhydride Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.69 ng	146753	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	98
2	1H-Benz[f]indene-1,2,3-trione	210	C13H6O3	020927-01-9	43
3	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	43
4	1,4-Diethynylbenzene	126	C10H6	000935-14-8	38
5	5-Isoquinolinecarbonitrile	154	C10H6N2	027655-41-0	30





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

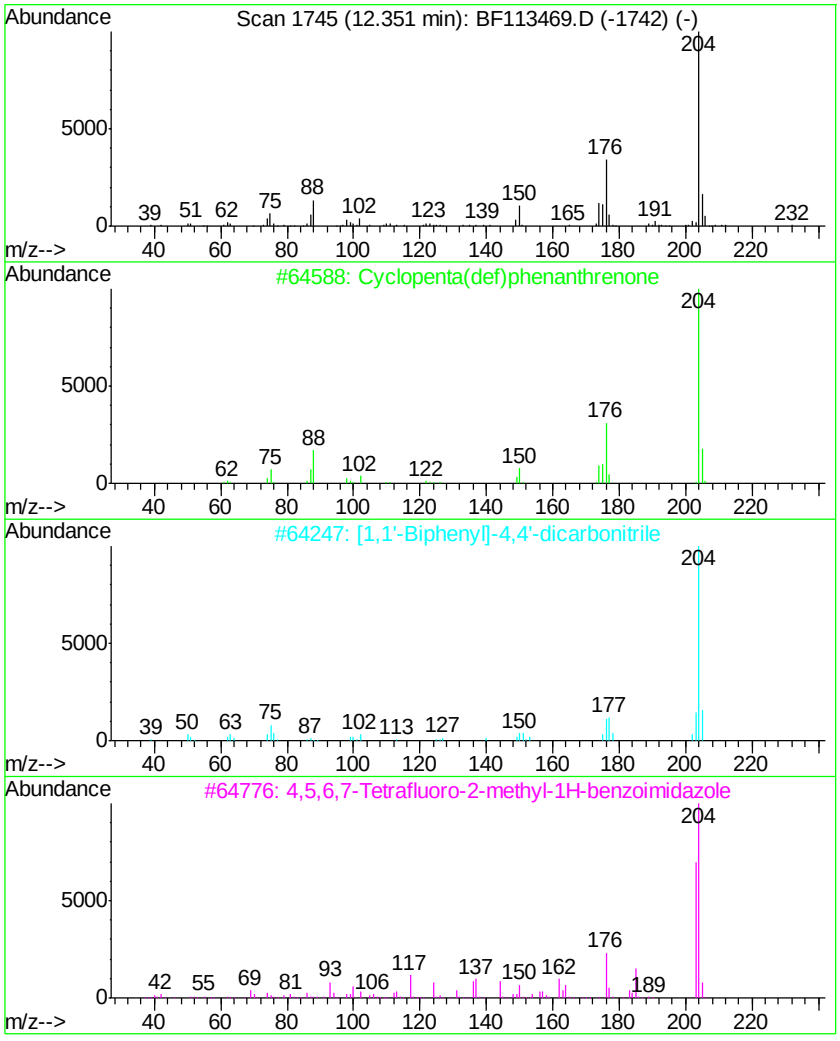
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

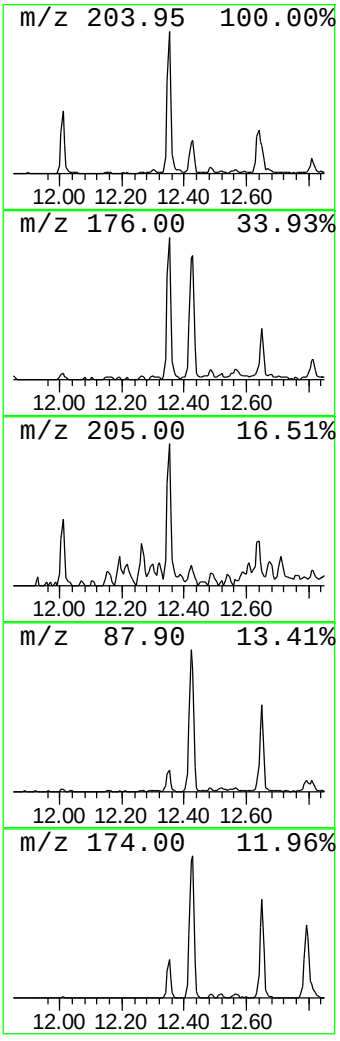
****

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.12 ng	169711	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	59
4	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	49
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-10

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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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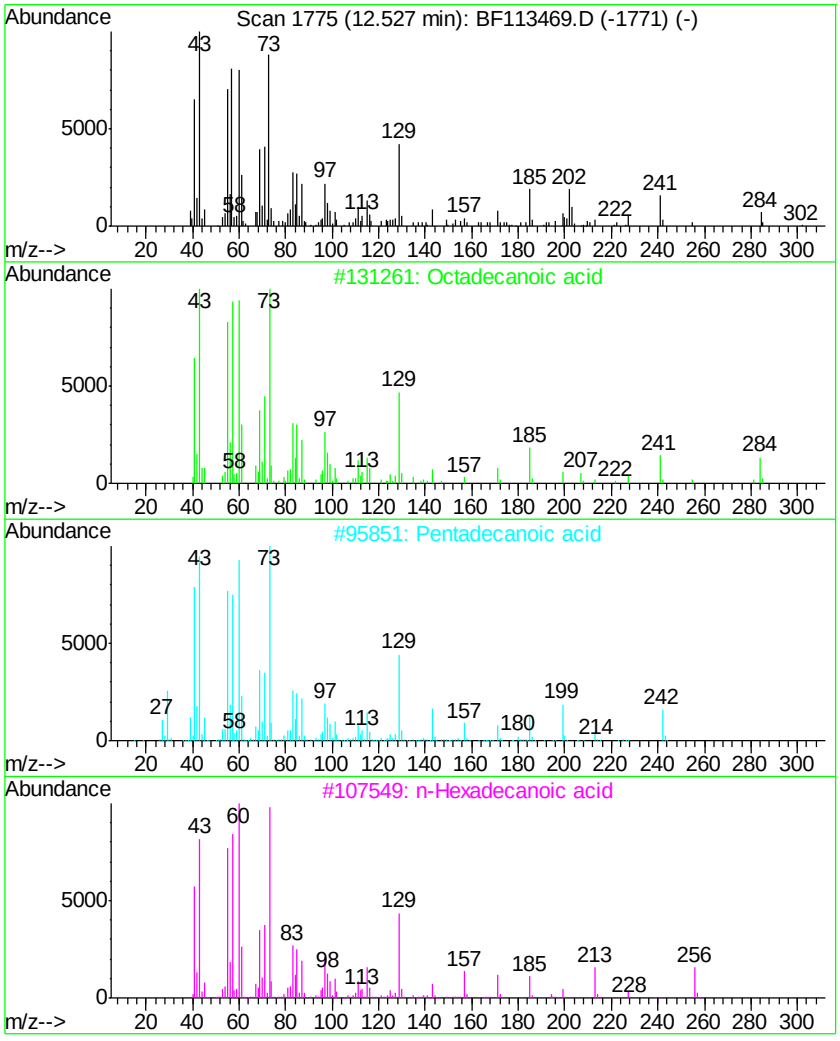
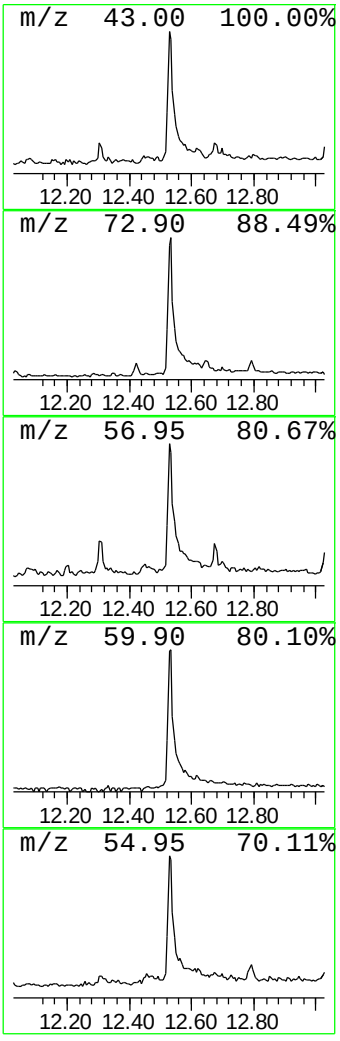
Peak Number 8 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	4.73 ng	328479	Chrysene-d12	13.84

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	91
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





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Operator : JU/SJ
Sample : K2056-04
Misc :
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Instrument : BNA_F
ClientSampleId : CS-10

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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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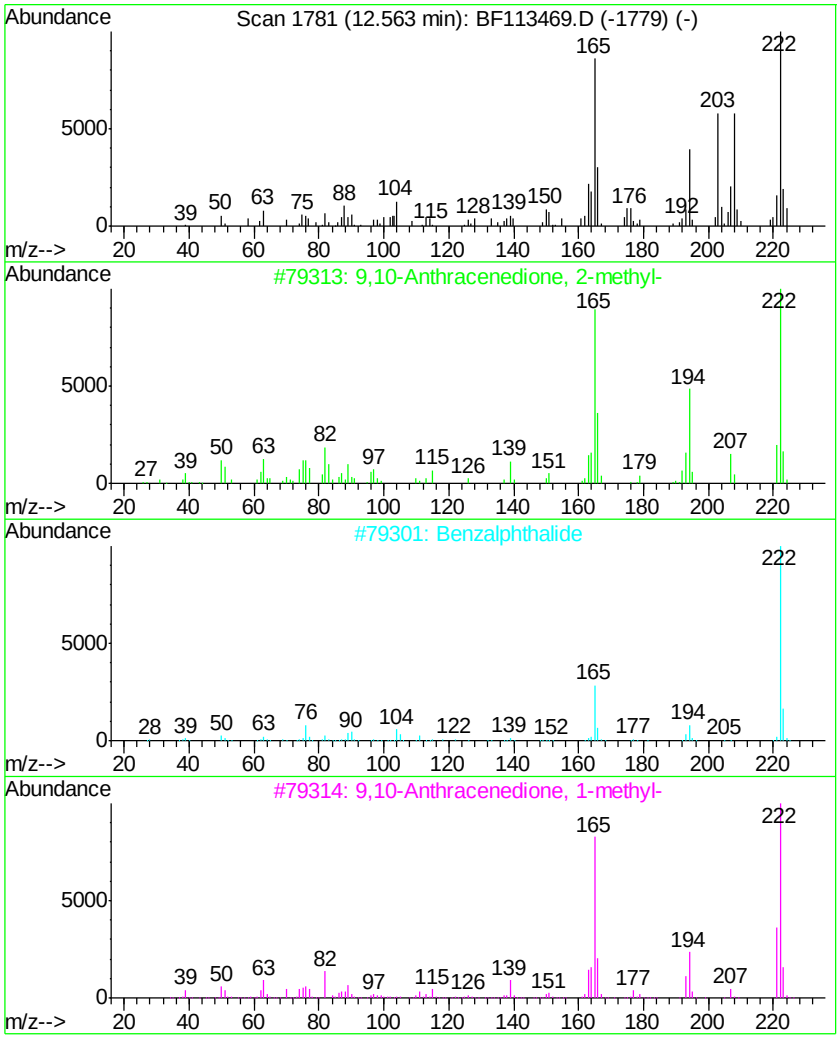
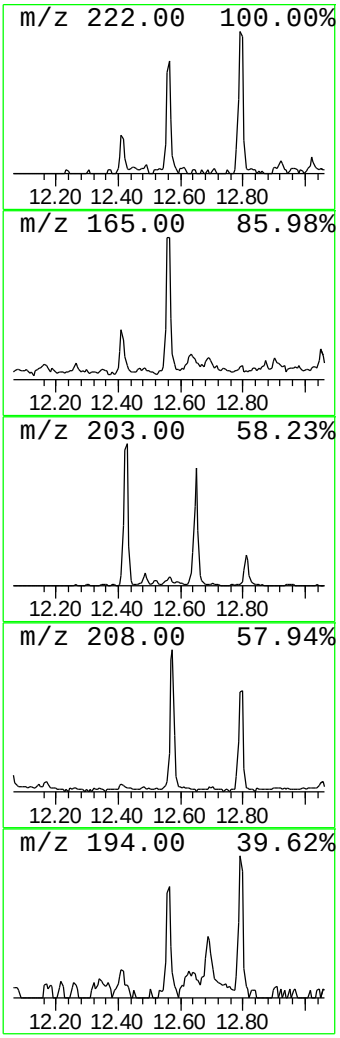
Peak Number 9 9,10-Anthracenedione, 2-met... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	3.21 ng	223219	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 2-methyl-	222	C15H10O2	000084-54-8	58
2	Benzalphthalide	222	C15H10O2	000575-61-1	55
3	9,10-Anthracenedione, 1-methyl-	222	C15H10O2	000954-07-4	52
4	Phenindione	222	C15H10O2	000083-12-5	49
5	2H-1-Benzopyran-2-one, 4-phenyl-	222	C15H10O2	015185-05-4	46





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Misc :
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Instrument : BNA_F
ClientSampleId : CS-10

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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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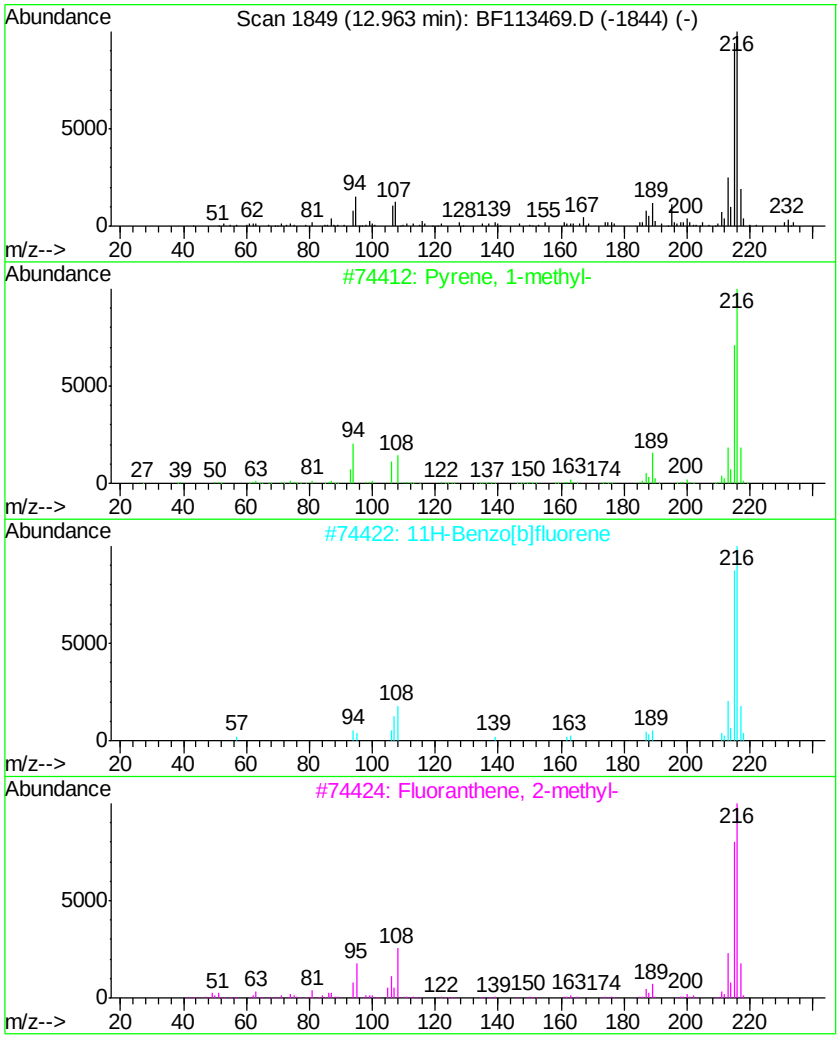
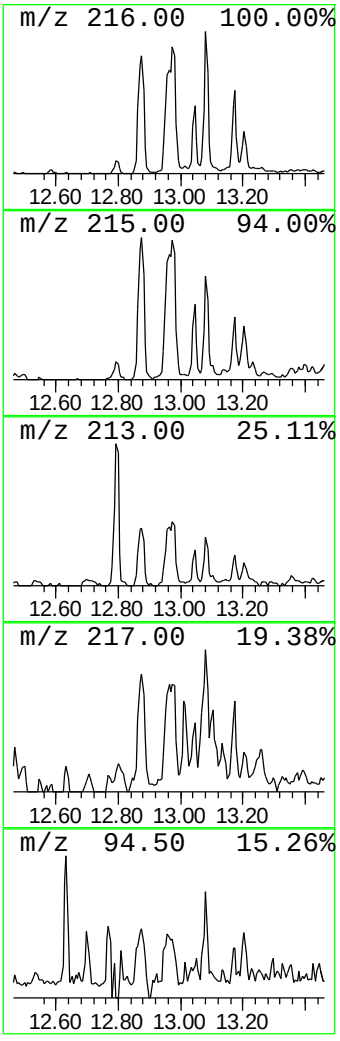
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	4.17 ng	289899	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58





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ClientSampleId : CS-10

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

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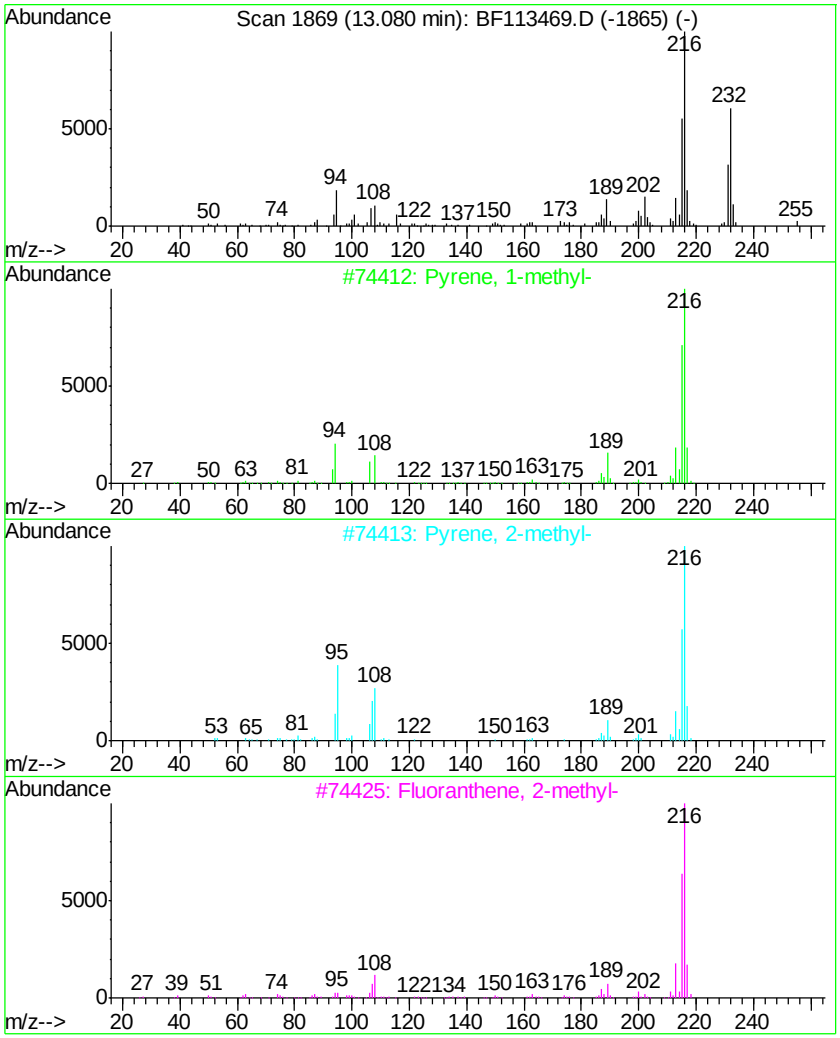
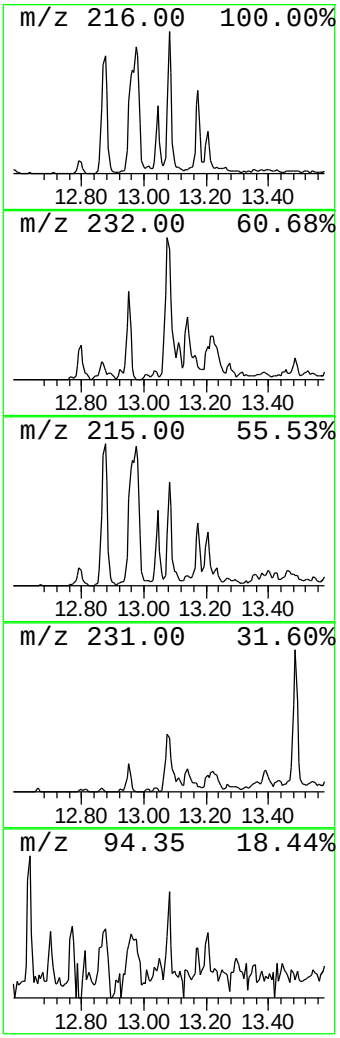
Peak Number 11 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.39 ng	166394	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : CS-10

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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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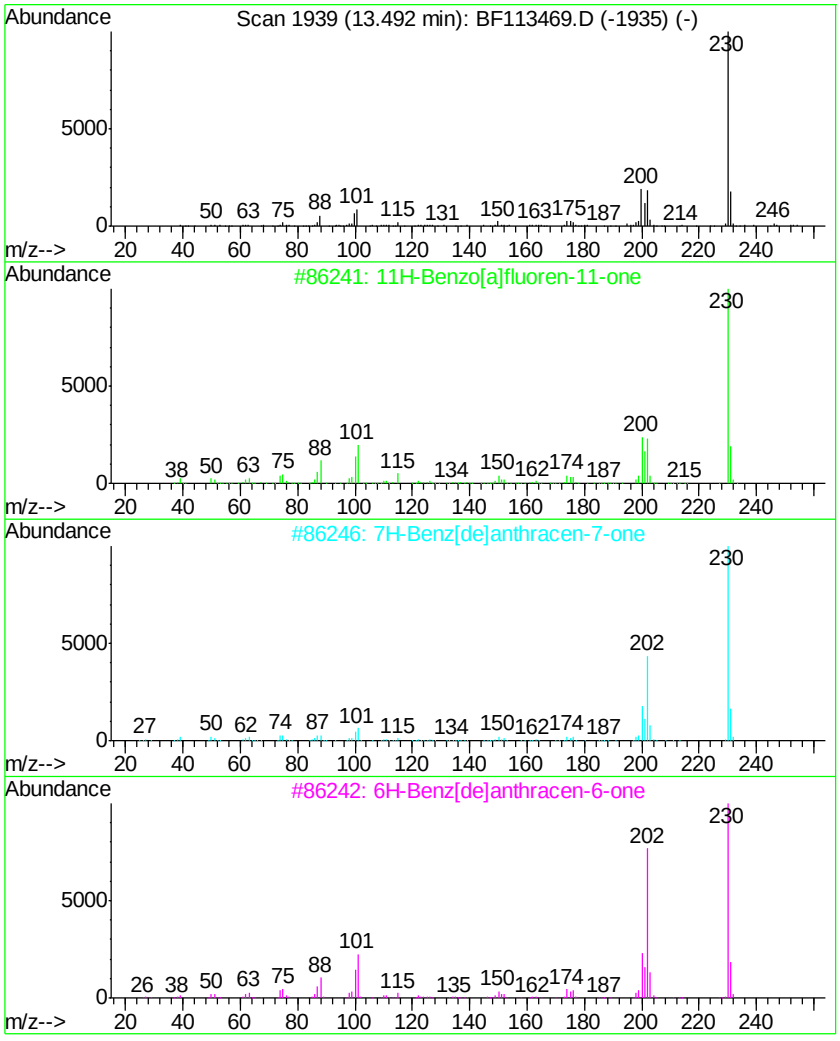
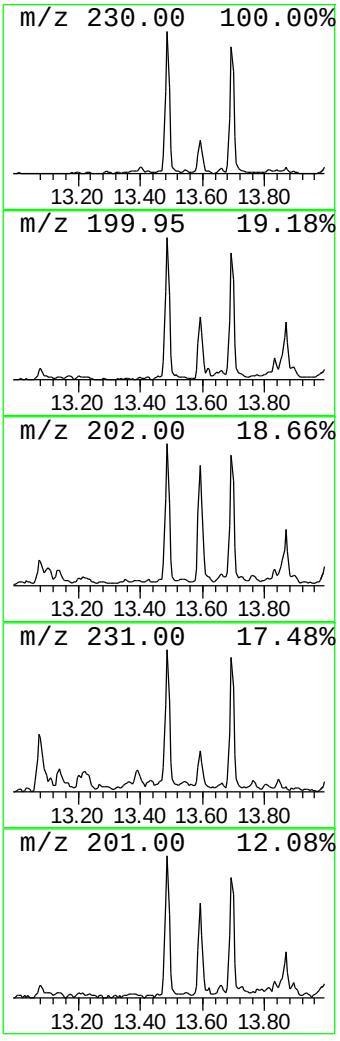
Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	5.41 ng	375842	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	81
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
5	o-Terphenyl	230	C18H14	000084-15-1	64





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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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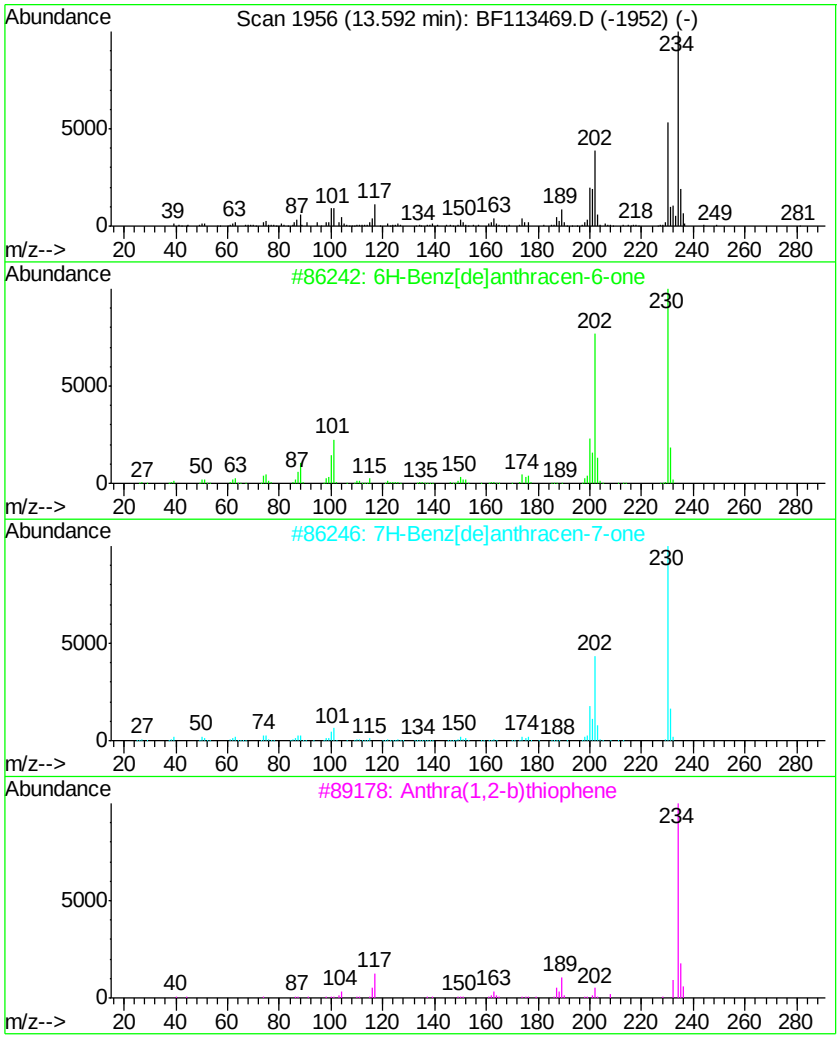
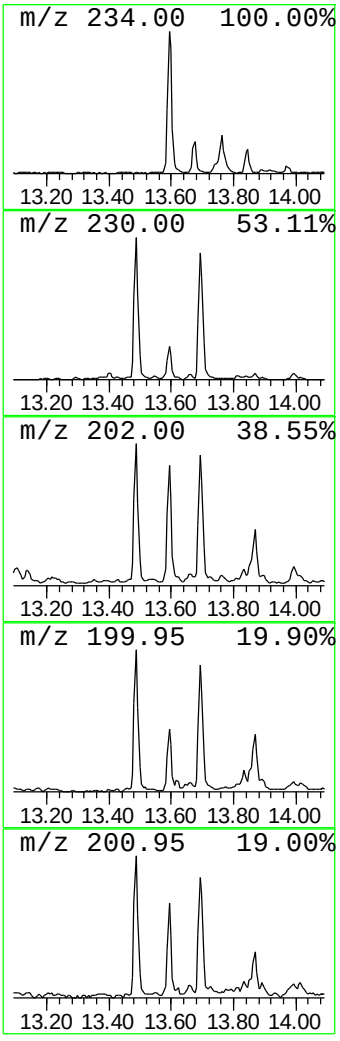
Peak Number 13 6H-Benz[de]anthracen-6-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	4.56 ng	317156	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	84
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	60





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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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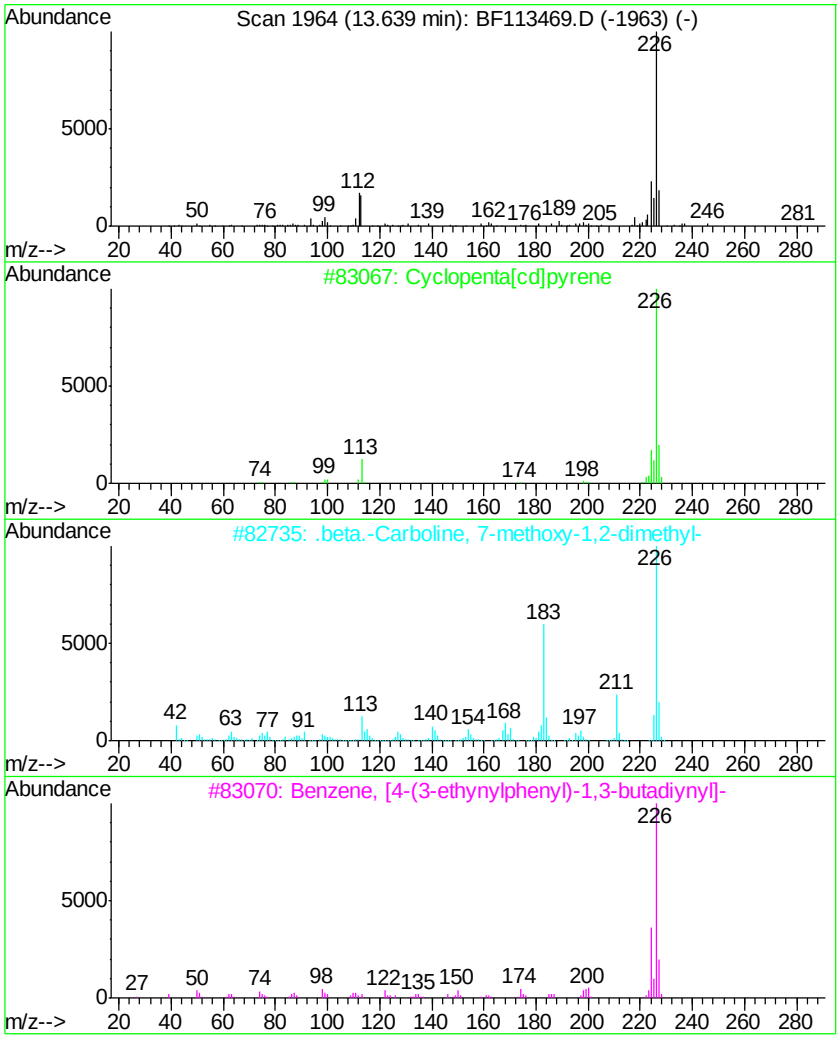
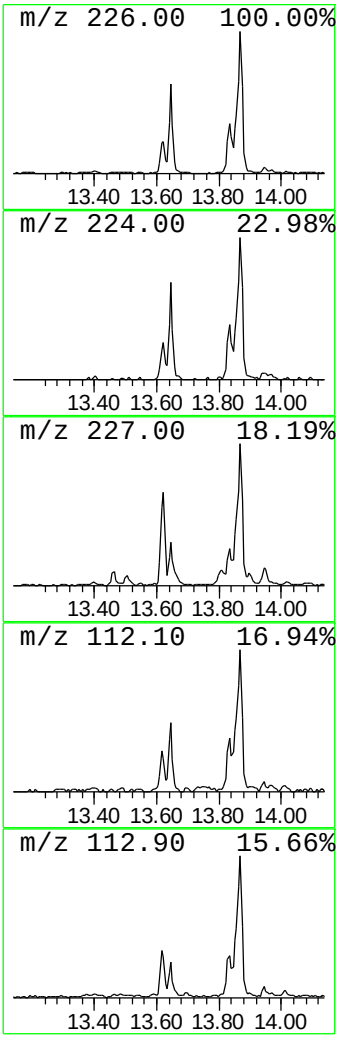
Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.91 ng	202633	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	95
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	50
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	47
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	42





Library Search Compound Report

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Misc :
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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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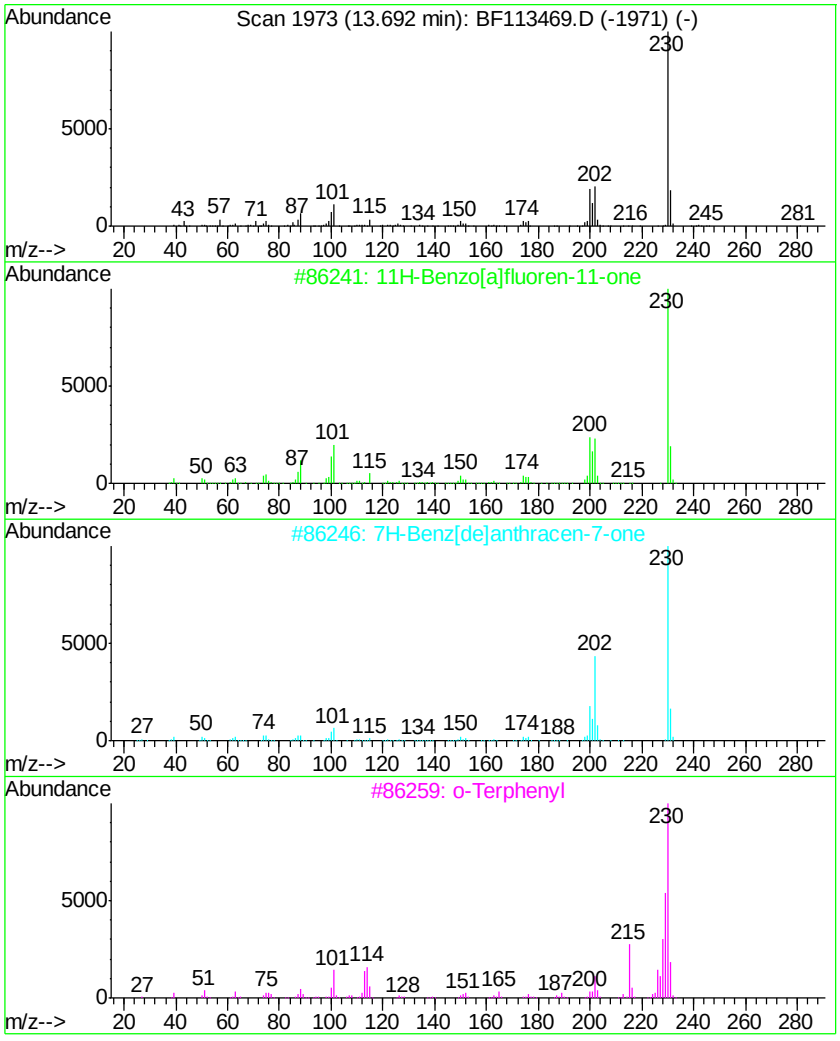
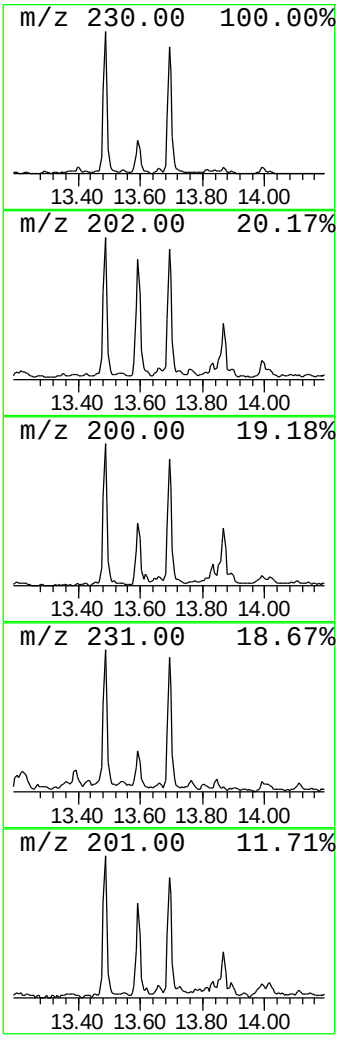
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	4.46 ng	309778	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	o-Terphenyl	230	C18H14	000084-15-1	64
4	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56





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ClientSampleId : CS-10

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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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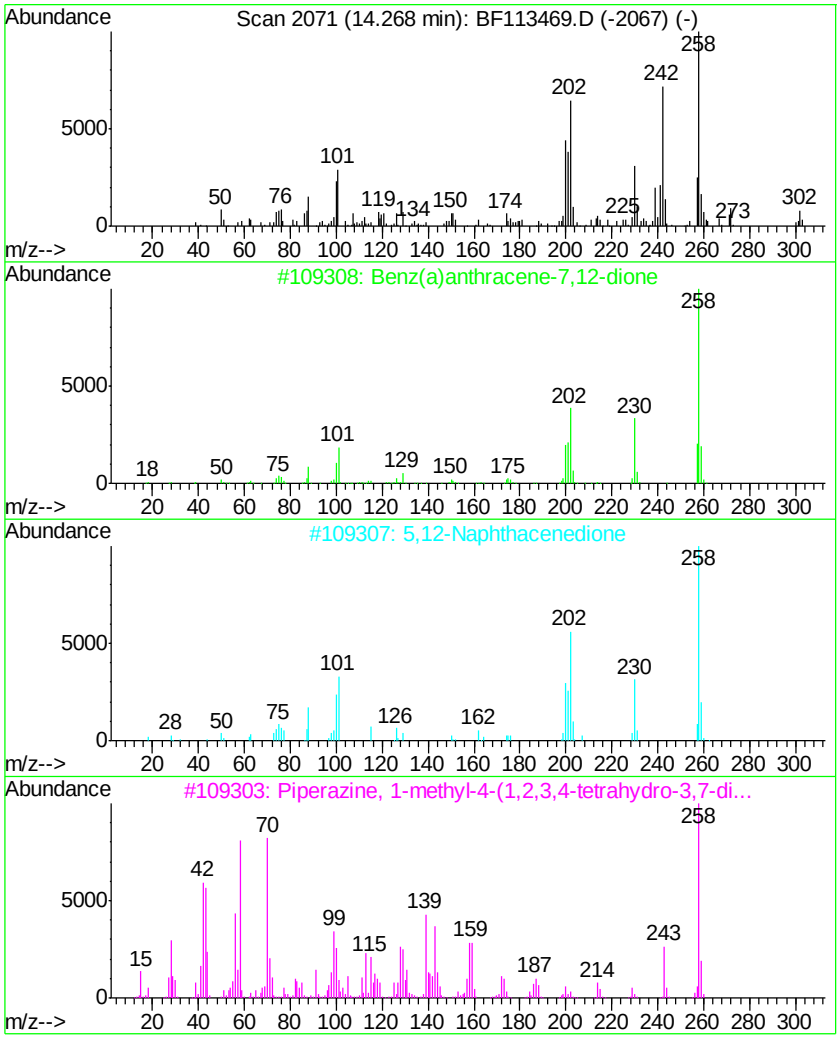
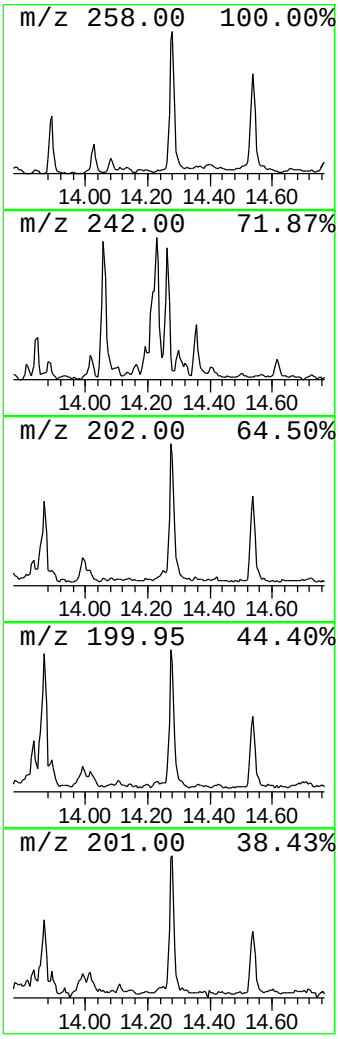
Peak Number 16 Benz(a)anthracene-7,12-dione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	3.17 ng	220690	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	96
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	93
4	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	58
5	Pyrene	202	C16H10	000129-00-0	55





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TIC Integration Parameters: LSCINT.P

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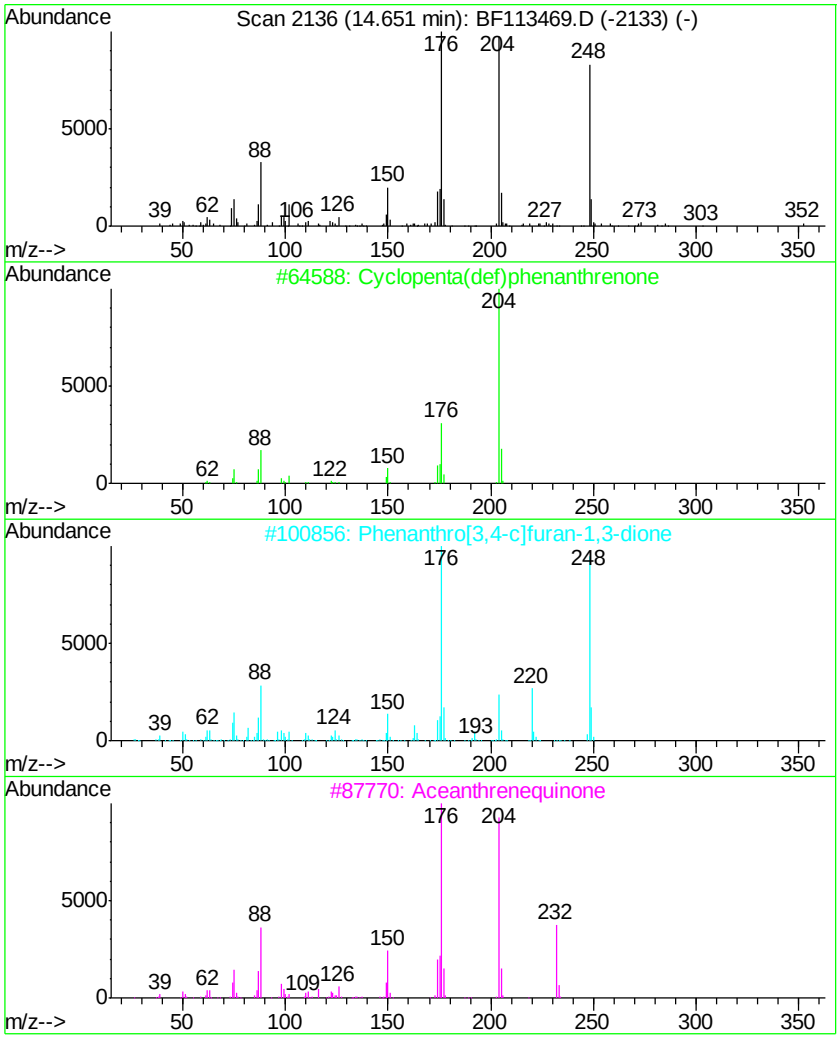
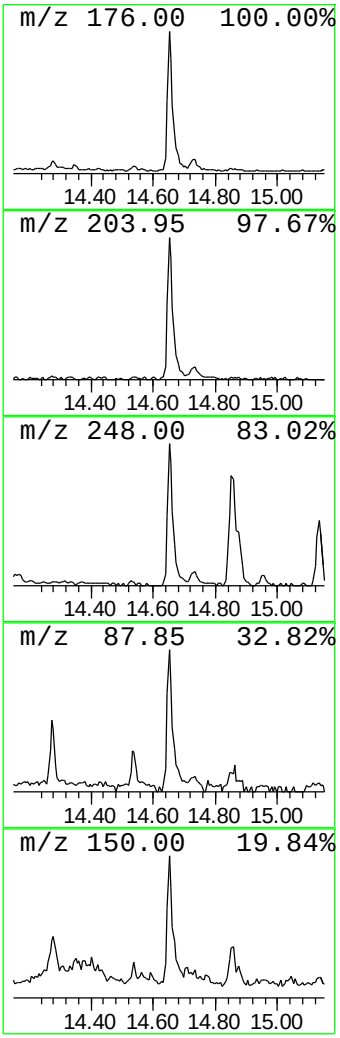
Peak Number 17 Phenanthro[3,4-c]furan-1,3-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	3.18 ng	213599	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	76
3	Aceanthrenequinone	232	C16H8O2	006373-11-1	70
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	25
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	22





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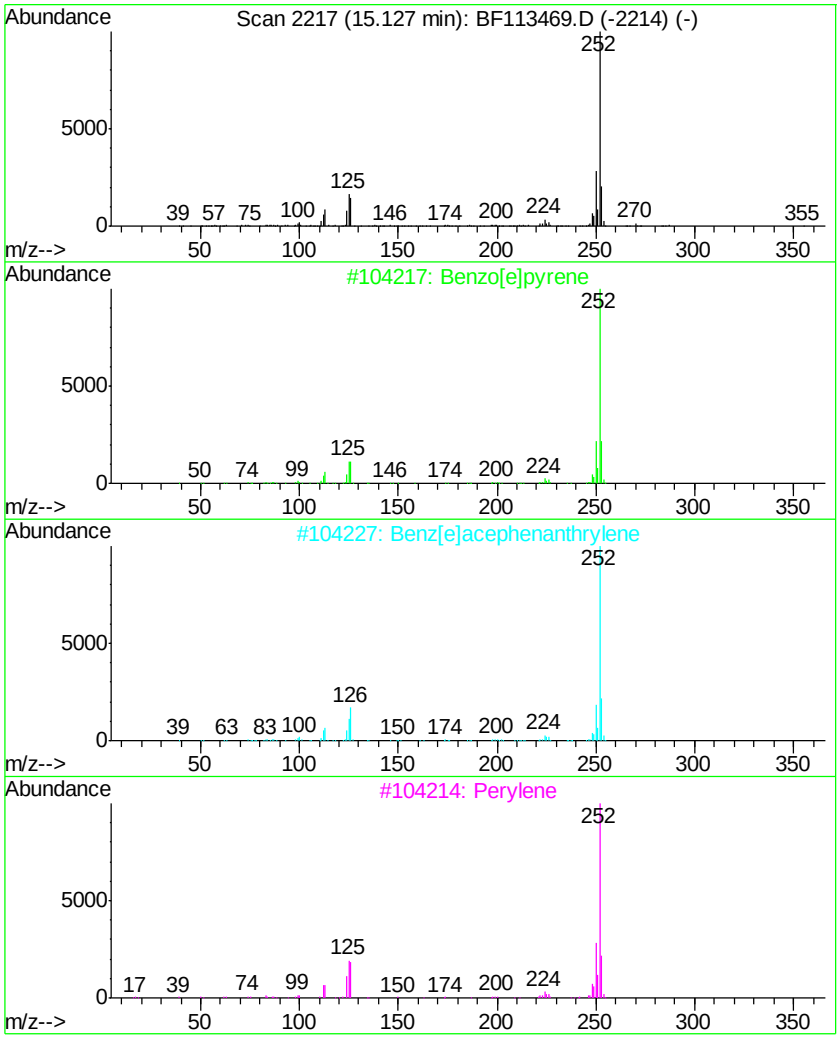
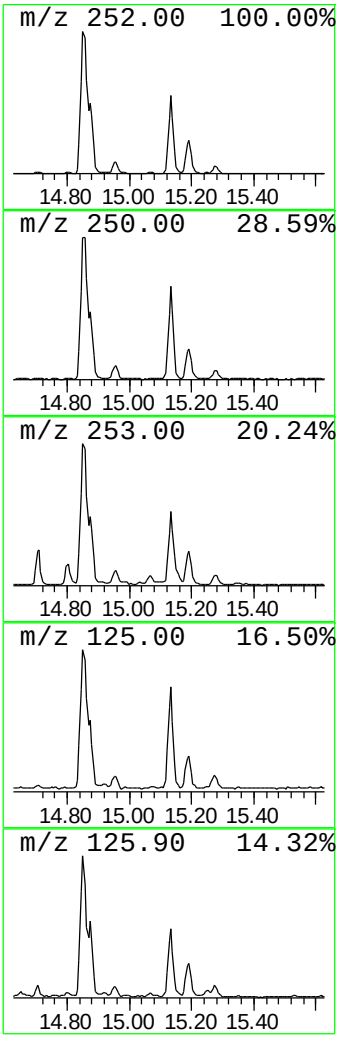
Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	7.70 ng	517001	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Perylene	252	C20H12	000198-55-0	97
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	95





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

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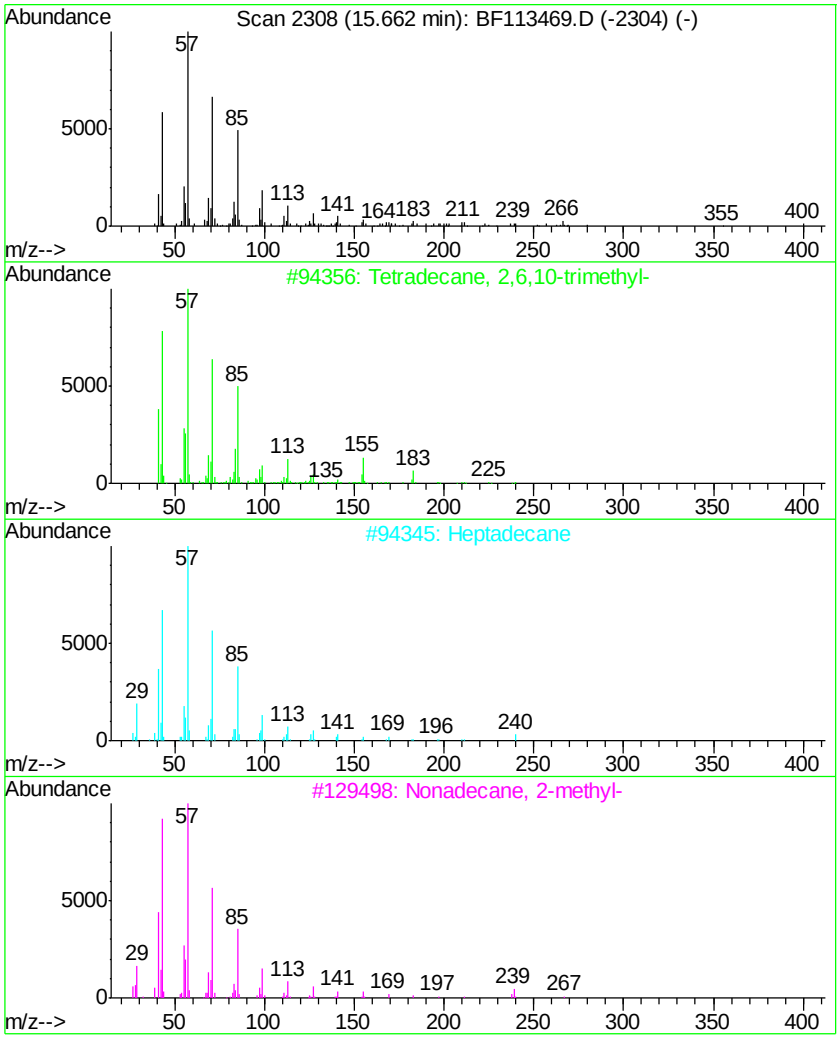
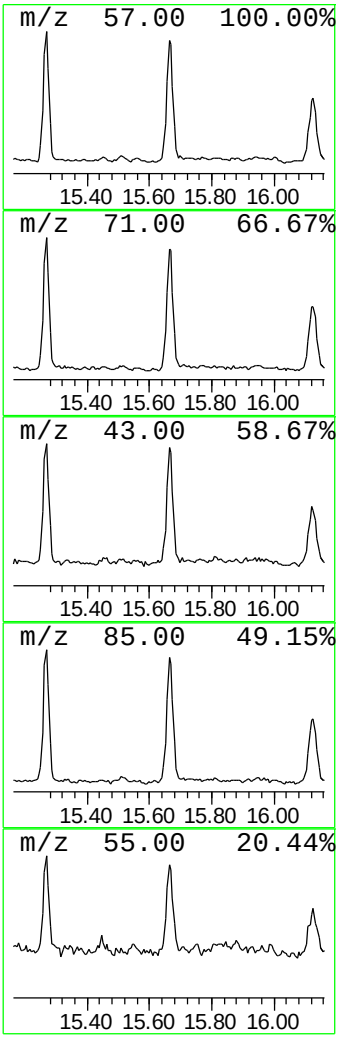
Peak Number 19 Tetradecane, 2,6,10-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	3.11 ng	208693	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	93
2	Heptadecane	240	C17H36	000629-78-7	91
3	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	91
4	Octacosane	394	C28H58	000630-02-4	90
5	Hexacosane	366	C26H54	000630-01-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113469.D
Acq On : 1 Apr 2019 16:28
Operator : JU/SJ
Sample : K2056-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

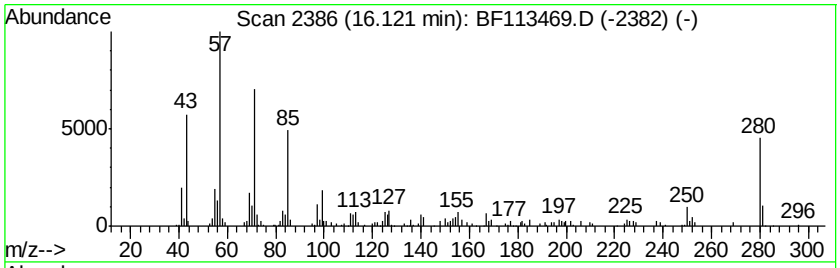
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

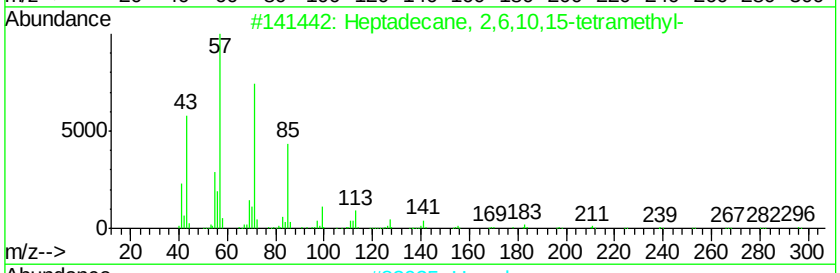
****

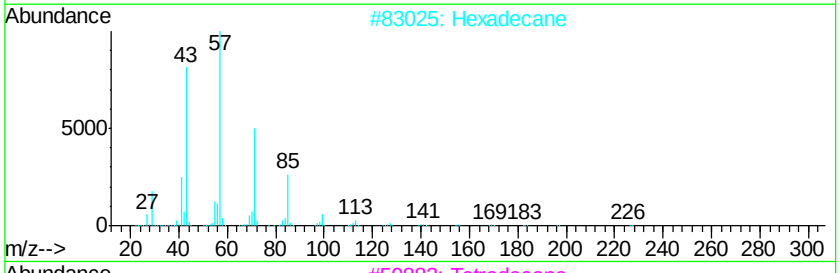
Peak Number 20 Heptadecane, 2,6,10,15-tetr... Concentration Rank 18

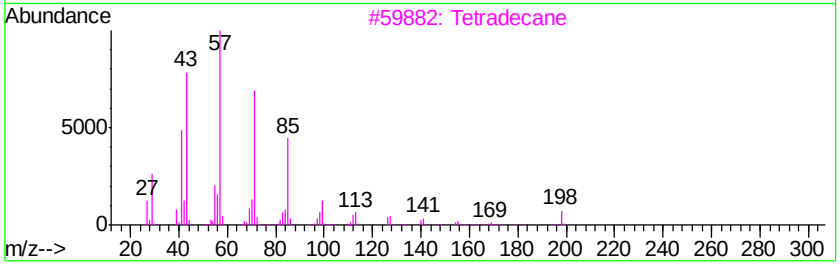
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	2.58 ng	172987	Perylene-d12	15.25

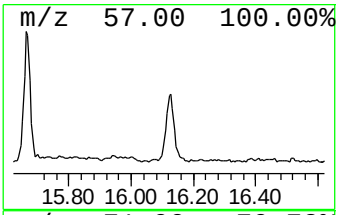
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
2	Hexadecane	226	C16H34	000544-76-3	60
3	Tetradecane	198	C14H30	000629-59-4	60
4	Octacosane	394	C28H58	000630-02-4	53
5	Tetracosane	338	C24H50	000646-31-1	53

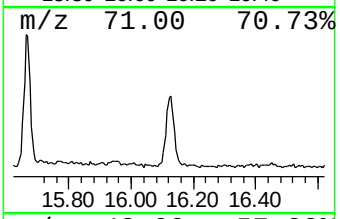


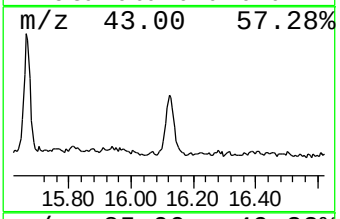


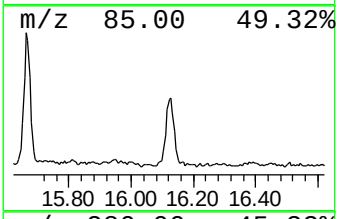


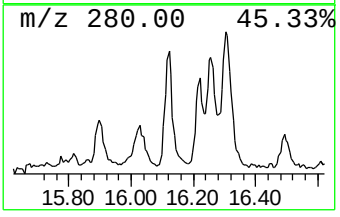












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113469.D
Acq On : 1 Apr 2019 16:28
Operator : JU/SJ
Sample : K2056-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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
unknown6.48	6.48	83.5	ng	3210490	1	6.70	768971	20.0
Phenanthrene, 2-m...	11.75	5.0	ng	273577	4	11.22	1089410	20.0
4H-Cyclopenta[def...	11.83	2.5	ng	138747	4	11.22	1089410	20.0
9,10-Anthracenedione	12.04	4.2	ng	229236	4	11.22	1089410	20.0
Naphthalic anhydride	12.29	2.7	ng	146753	4	11.22	1089410	20.0
Cyclopenta(def)ph...	12.35	3.1	ng	169711	4	11.22	1089410	20.0
Octadecanoic acid	12.53	4.7	ng	328479	5	13.84	1390340	20.0
9,10-Anthracenedi...	12.56	3.2	ng	223219	5	13.84	1390340	20.0
Pyrene, 1-methyl-	12.96	4.2	ng	289899	5	13.84	1390340	20.0
Pyrene, 2-methyl-	13.08	2.4	ng	166394	5	13.84	1390340	20.0
7H-Benz[de]anthra...	13.49	5.4	ng	375842	5	13.84	1390340	20.0
6H-Benz[de]anthra...	13.59	4.6	ng	317156	5	13.84	1390340	20.0
Cyclopenta[cd]pyrene	13.64	2.9	ng	202633	5	13.84	1390340	20.0
11H-Benzo[a]fluor...	13.69	4.5	ng	309778	5	13.84	1390340	20.0
Benz(a)anthracene...	14.27	3.2	ng	220690	5	13.84	1390340	20.0
Phenanthro[3,4-c]...	14.65	3.2	ng	213599	6	15.25	1342170	20.0
Benzo[e]pyrene	15.13	7.7	ng	517001	6	15.25	1342170	20.0
Tetradecane, 2,6,...	15.66	3.1	ng	208693	6	15.25	1342170	20.0
Heptadecane, 2,6,...	16.12	2.6	ng	172987	6	15.25	1342170	20.0