LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
Data File : BF117973.D
Acq On : 23 Nov 2019 22:50
Operator : JU
Sample : K5670-09 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-112119

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	22	rVB	189486	315725	16.23%	1.115%
2	5.093	508	511	519	rVB	94823	100335	5.16%	0.354%
3	5.504	577	581	593	rBV	536466	459968	23.64%	1.624%
4	6.516	750	753	767	rBV	651227	556334	28.60%	1.965%
5	6.669	775	779	782	rBV	736814	619048	31.82%	2.186%
6	6.904	815	819	822	rBV	1070006	839493	43.15%	2.965%
7	7.057	842	845	849	rBV	595198	487524	25.06%	1.722%
8	7.463	910	914	919	rBV	366562	316146	16.25%	1.116%
9	8.192	1034	1038	1041	rBV	1192633	964688	49.58%	3.407%
10	9.269	1217	1221	1232	rBV	969886	791791	40.70%	2.796%
11	9.610	1275	1279	1282	rVV	52348	50026	2.57%	0.177%
12	9.663	1285	1288	1296	rVB2	118575	131650	6.77%	0.465%
13	9.816	1310	1314	1317	rBV	115890	109150	5.61%	0.385%
14	9.957	1334	1338	1341	rVV	1303733	1166184	59.94%	4.118%
15	9.986	1341	1343	1346	rVB	101504	82560	4.24%	0.292%
16	10.157	1368	1372	1376	rVB	65064	66592	3.42%	0.235%
17	10.269	1387	1391	1394	rBV2	43409	46389	2.38%	0.164%
18	10.363	1402	1407	1408	rBV2	32727	39772	2.04%	0.140%
19	10.504	1428	1431	1437	rVB	124438	130724	6.72%	0.462%
20	10.657	1453	1457	1461	rVV3	36164	41317	2.12%	0.146%
21	10.739	1466	1471	1476	rBV	486395	491553	25.27%	1.736%
22	10.869	1488	1493	1499	rVB2	71751	97123	4.99%	0.343%
23	11.051	1519	1524	1527	rBV3	61470	79638	4.09%	0.281%
24	11.080	1527	1529	1532	rVV2	51789	44685	2.30%	0.158%
25	11.180	1541	1546	1548	rBV3	36055	44826	2.30%	0.158%
26	11.204	1548	1550	1555	rVV2	38616	44316	2.28%	0.156%
27	11.251	1555	1558	1561	rVV3	45591	46181	2.37%	0.163%
28	11.304	1561	1567	1569	rVV3	47158	68044	3.50%	0.240%
29	11.345	1569	1574	1579	rVB	107200	123111	6.33%	0.435%
30	11.445	1588	1591	1593	rBV	1614403	1441166	74.08%	5.089%
31	11.469	1593	1595	1599	rVV	1357909	1242766	63.88%	4.389%
32	11.522	1601	1604	1607	rVV	307998	249453	12.82%	0.881%
33	11.557	1607	1610	1613	rVV2	54946	63110	3.24%	0.223%
34	11.674	1624	1630	1637	rBV2	77192	127036	6.53%	0.449%

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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
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.739	1637	1641	1644	rVV2	66547	70181	3.61%	0.248%
36	11.780	1644	1648	1653	rVB	100834	93818	4.82%	0.331%
37	11.863	1659	1662	1666	rVB	63857	68983	3.55%	0.244%
38	11.951	1673	1677	1679	rVV	350442	363067	18.66%	1.282%
39	11.980	1679	1682	1686	rVV	414932	431105	22.16%	1.522%
40	12.027	1686	1690	1692	rVV	104655	100920	5.19%	0.356%
41	12.063	1692	1696	1698	rVV2	493912	512710	26.35%	1.811%
42	12.086	1698	1700	1704	rVB	248065	203195	10.44%	0.718%
43	12.145	1704	1710	1714	rBV4	62499	100529	5.17%	0.355%
44	12.186	1714	1717	1719	rVB2	73668	69019	3.55%	0.244%
45	12.216	1719	1722	1724	rBV4	26998	40616	2.09%	0.143%
46	12.245	1724	1727	1729	rVV	208261	170539	8.77%	0.602%
47	12.269	1729	1731	1735	rVB2	161792	156906	8.06%	0.554%
48	12.374	1747	1749	1751	rBV	53512	58574	3.01%	0.207%
49	12.392	1751	1752	1755	rVV	93629	71758	3.69%	0.253%
50	12.427	1755	1758	1760	rVV	149770	120263	6.18%	0.425%
51	12.451	1760	1762	1764	rVB2	103055	79282	4.08%	0.280%
52	12.504	1764	1771	1774	rBV	307537	364773	18.75%	1.288%
53	12.539	1774	1777	1779	rVV2	180194	207041	10.64%	0.731%
54	12.586	1782	1785	1790	rBV2	147727	181818	9.35%	0.642%
55	12.669	1795	1799	1802	rBV	1602274	1470392	75.58%	5.193%
56	12.710	1802	1806	1807	rBV	91837	83934	4.31%	0.296%
57	12.727	1807	1809	1811	rVB2	64628	42200	2.17%	0.149%
58	12.757	1811	1814	1817	rBV2	109806	97474	5.01%	0.344%
59	12.792	1817	1820	1822	rBV3	45944	41186	2.12%	0.145%
60	12.821	1822	1825	1827	rBV	90129	88699	4.56%	0.313%
61	12.898	1831	1838	1844	rVB	1816336	1945529	100.00%	6.870%
62	12.951	1844	1847	1850	rVB2	103689	120680	6.20%	0.426%
63	13.010	1854	1857	1858	rBV2	66728	61217	3.15%	0.216%
64	13.033	1858	1861	1864	rBV	787527	601015	30.89%	2.122%
65	13.110	1870	1874	1878	rBV3	132844	212715	10.93%	0.751%
66	13.168	1881	1884	1886	rBV	54279	46930	2.41%	0.166%
67	13.198	1886	1889	1890	rVV3	103793	97361	5.00%	0.344%
68	13.221	1890	1893	1896	rVB	282840	276078	14.19%	0.975%
69	13.268	1896	1901	1902	rBV3	63267	77737	4.00%	0.275%
70	13.292	1902	1905	1907	rVB	177228	151210	7.77%	0.534%
71	13.327	1907	1911	1914	rBV2	204854	188819	9.71%	0.667%

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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
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72	13.386	1919	1921	1924	rVV3	37662	47596	2.45%	0.168%
73	13.421	1924	1927	1929	rVV	167635	142917	7.35%	0.505%
74	13.451	1929	1932	1936	rVV	160605	158083	8.13%	0.558%
75	13.486	1936	1938	1942	rVB4	40930	39879	2.05%	0.141%
76	13.604	1955	1958	1960	rBV3	58383	73017	3.75%	0.258%
77	13.710	1973	1976	1977	rBV2	40814	45842	2.36%	0.162%
78	13.733	1977	1980	1984	rVB	91250	109785	5.64%	0.388%
79	13.845	1995	1999	2002	rVV2	141524	178656	9.18%	0.631%
80	13.874	2002	2004	2006	rVV	105605	78728	4.05%	0.278%
81	13.898	2006	2008	2011	rVV2	72439	88248	4.54%	0.312%
82	13.939	2012	2015	2020	rVB3	143465	178653	9.18%	0.631%
83	14.098	2037	2042	2044	rBV2	1289007	1613441	82.93%	5.698%
84	14.121	2044	2046	2052	rVB	645551	549801	28.26%	1.942%
85	14.180	2054	2056	2058	rBV	62121	53404	2.74%	0.189%
86	14.204	2058	2060	2062	rVB	67562	47506	2.44%	0.168%
87	14.357	2083	2086	2088	rBV2	54550	67503	3.47%	0.238%
88	14.445	2099	2101	2103	rBV	61589	55068	2.83%	0.194%
89	14.486	2105	2108	2111	rVV	236689	244837	12.58%	0.865%
90	14.515	2111	2113	2116	rVV	126010	109986	5.65%	0.388%
91	14.557	2118	2120	2123	rVV4	112822	147225	7.57%	0.520%
92	14.610	2126	2129	2131	rBV2	121029	106961	5.50%	0.378%
93	14.880	2172	2175	2177	rVB2	117746	107724	5.54%	0.380%
94	15.157	2218	2222	2226	rBV	540276	858163	44.11%	3.031%
95	15.268	2238	2241	2244	rVB	109814	112734	5.79%	0.398%
96	15.474	2272	2276	2282	rVB	281502	390288	20.06%	1.378%
97	15.539	2283	2287	2291	rBV	414099	507283	26.07%	1.791%
98	15.610	2294	2299	2302	rBV	869938	1225219	62.98%	4.327%
99	17.133	2554	2558	2565	rVB2	137214	251429	12.92%	0.888%
100	17.592	2632	2636	2643	rVB	95305	180613	9.28%	0.638%

Sum of corrected areas: 28317286

LSC Report - Integrated Chromatogram

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Sample : K5670-09 5X
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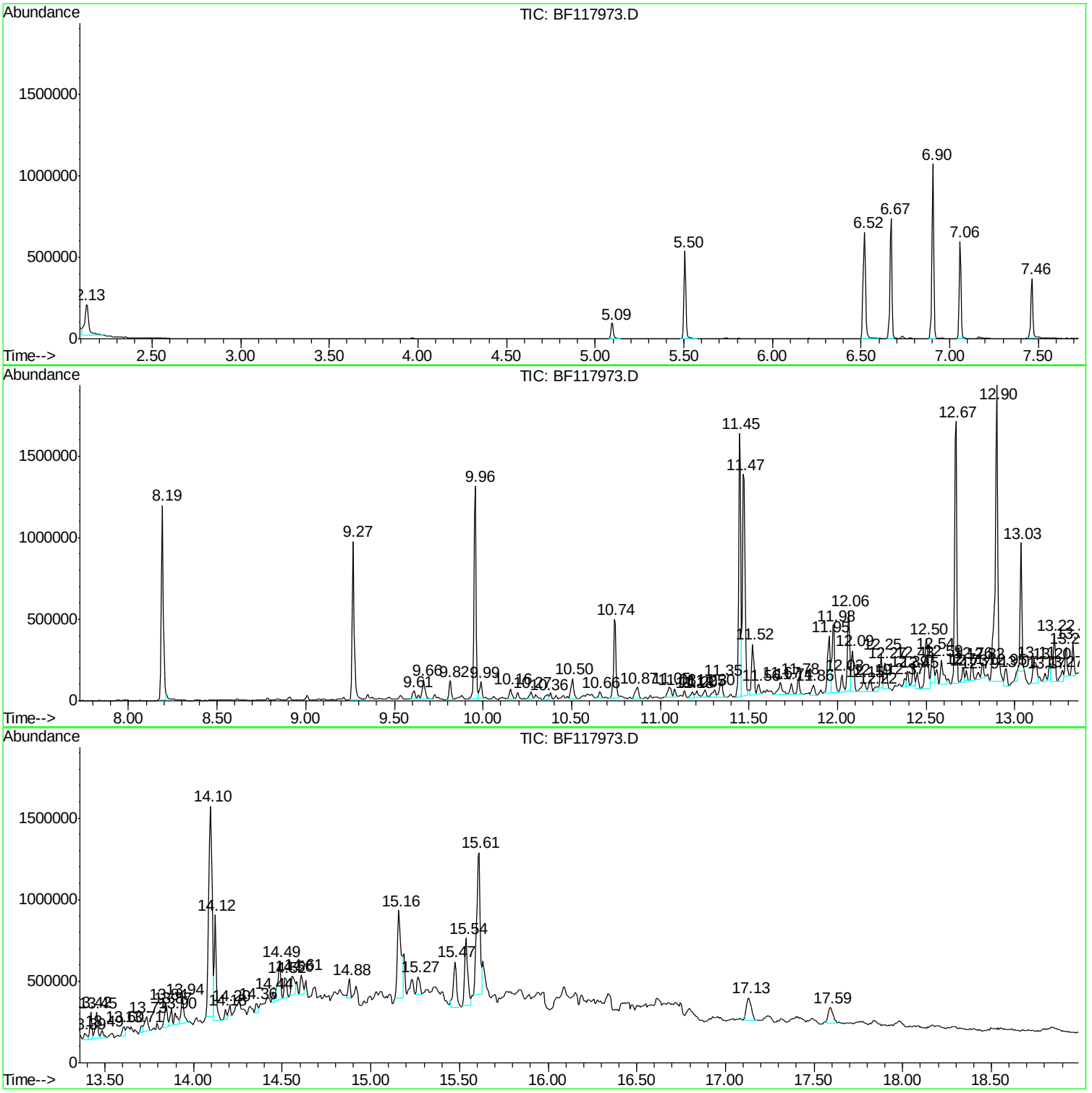
Instrument : BNA_F
ClientSampleId : OK-01-112119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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\BF112319\
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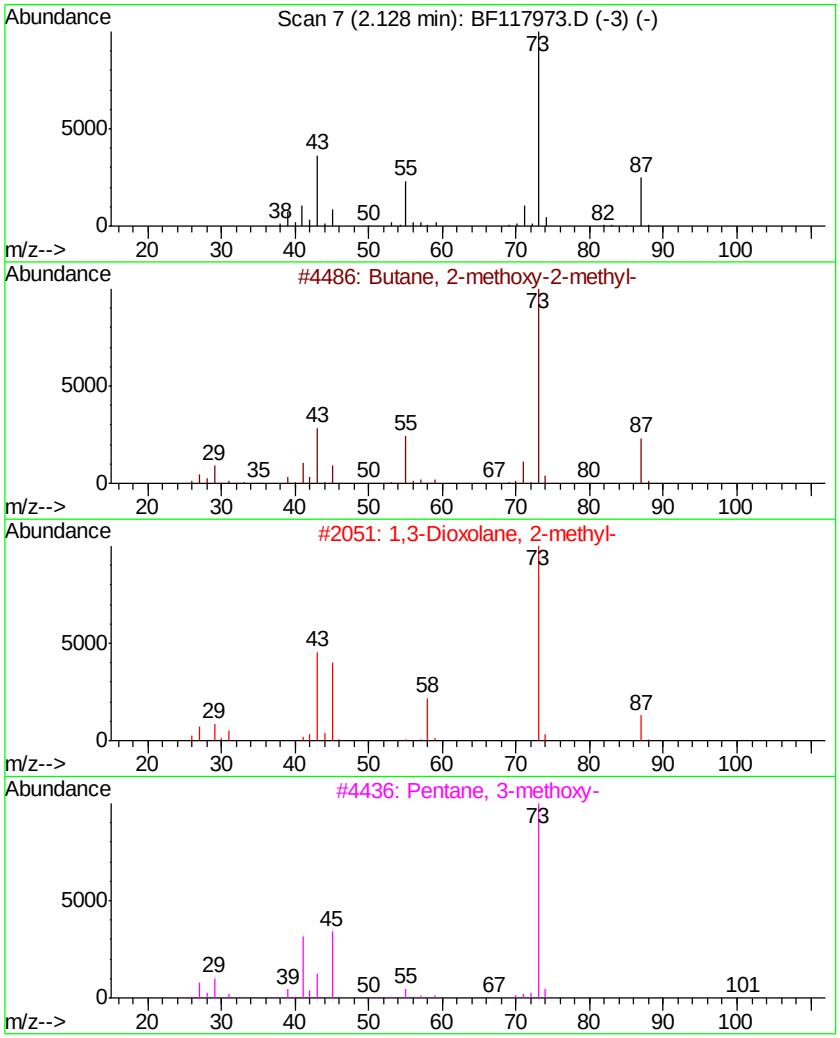
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

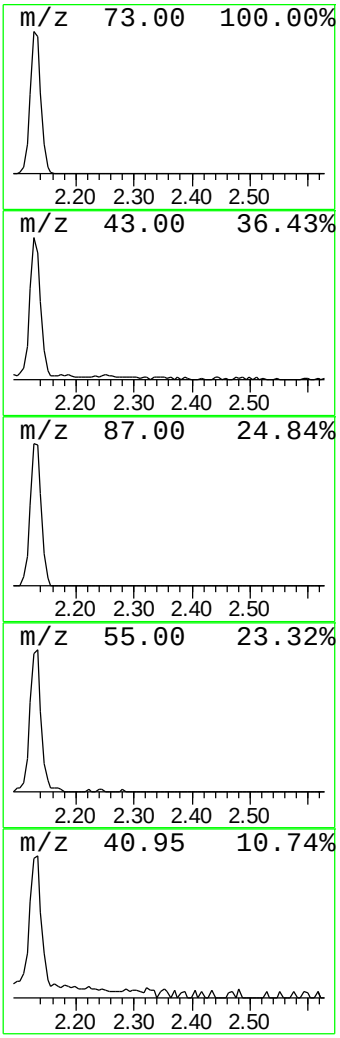
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	7.52 ng	315725	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

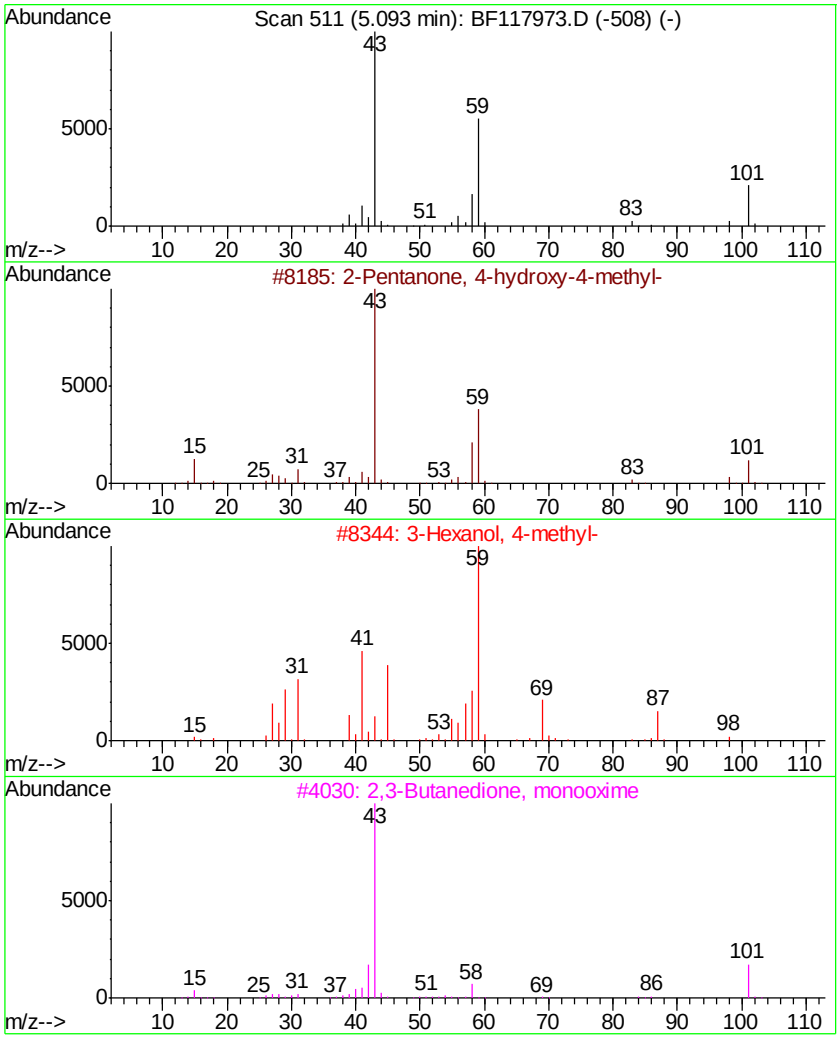
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

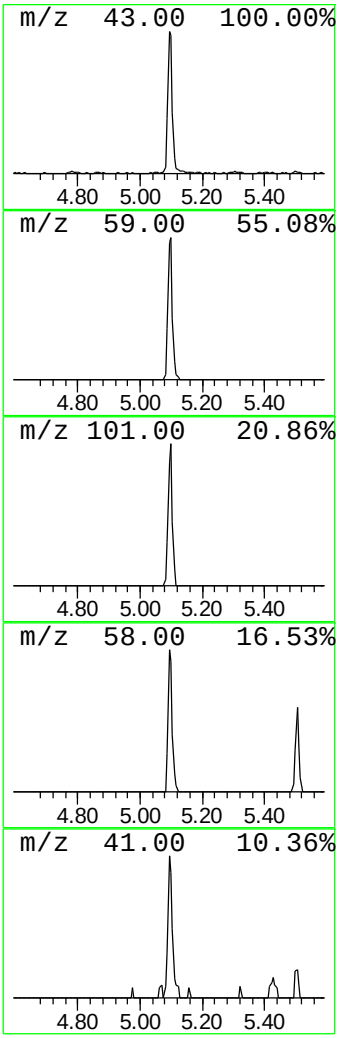
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	2.39 ng	100335	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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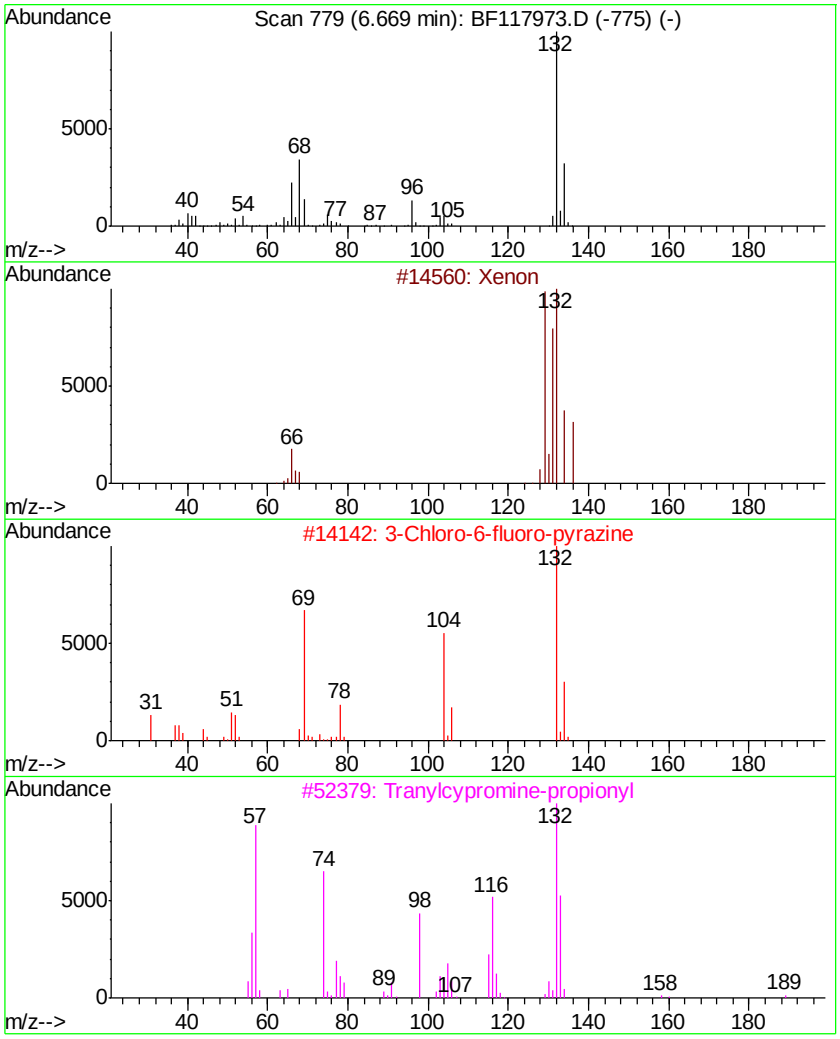
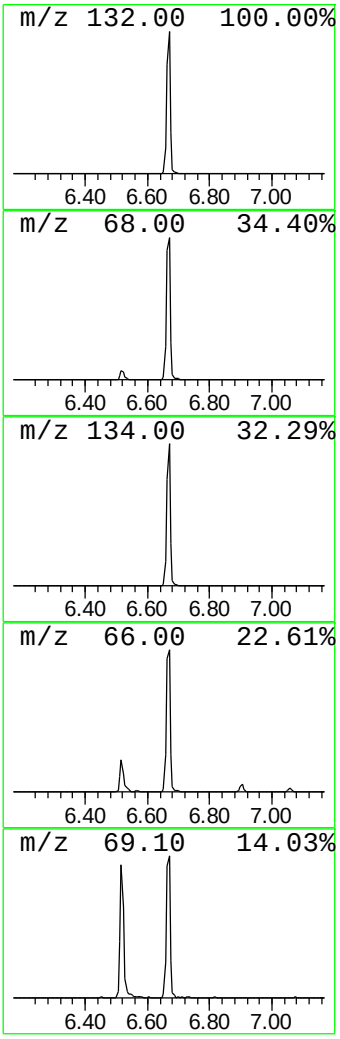
****

Peak Number 3 Xenon Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	14.75 ng	619048	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Xenon	132	Xe	007440-63-3	50
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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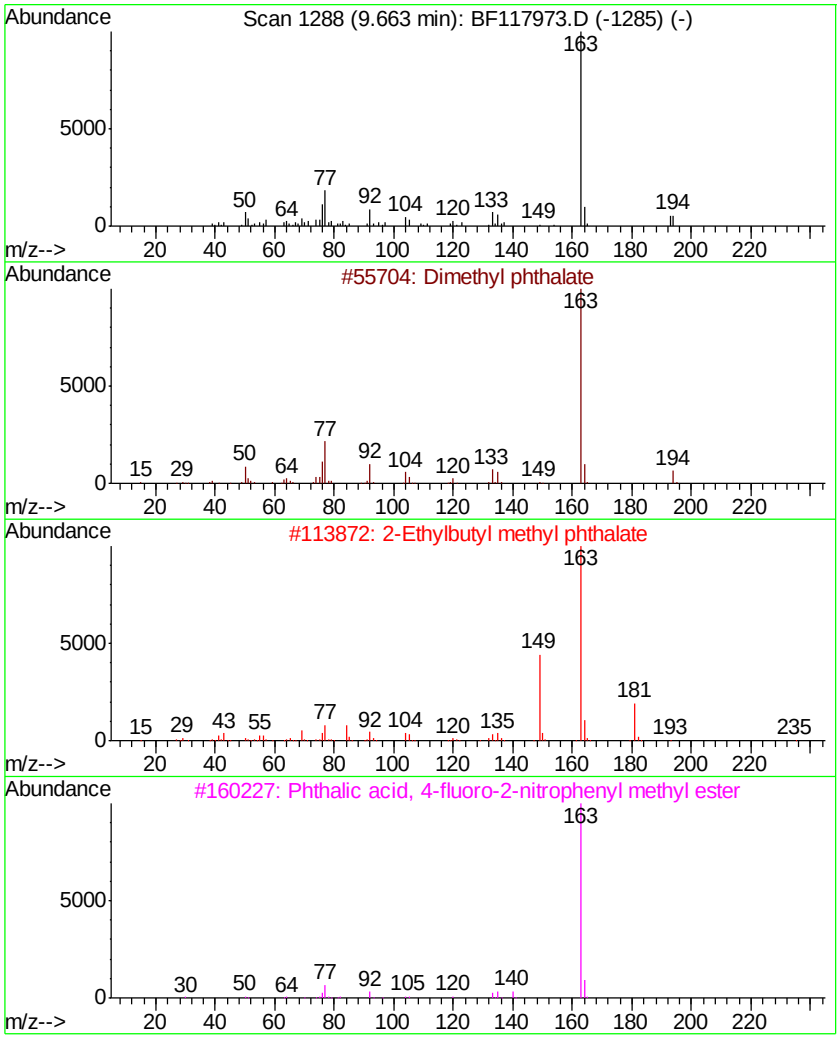
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

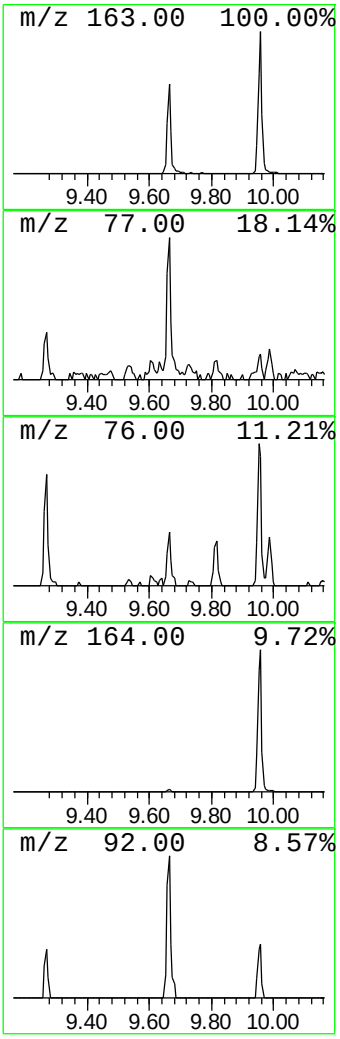
****

Peak Number 5 Dimethyl phthalate Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	2.26 ng	131650	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	96
2	2-Ethylbutyl methyl phthalate	264	C15H20O4	1000373-89-6	78
3	Phthalic acid, 4-fluoro-2-nitrop...	319	C15H10FNO6	1000315-63-4	78
4	Phthalic acid, methyl 2-nitrophe...	301	C15H11NO6	1000315-68-3	78
5	Phthalic acid, 4-chloro-3-methyl...	304	C16H13ClO4	1000315-71-2	78





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Sample : K5670-09 5X
Misc :
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Instrument : BNA_F
ClientSampleId : OK-01-112119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

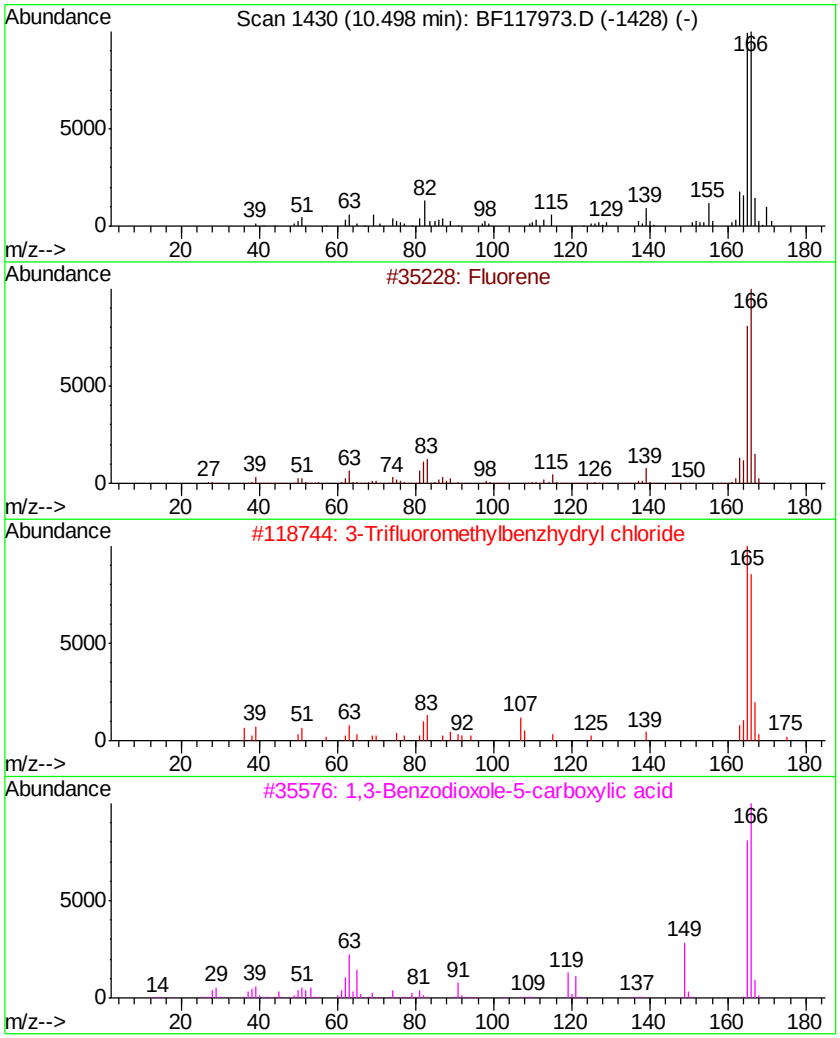
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

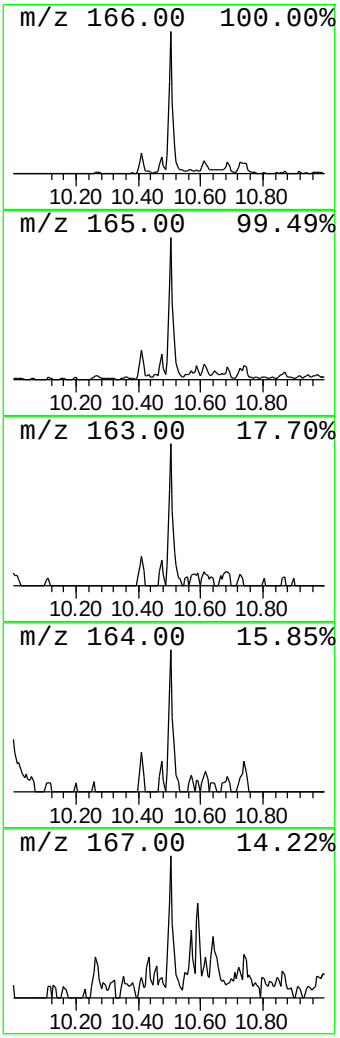
****

Peak Number 6 3-Trifluoromethylbenzhydryl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	2.24 ng	130724	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	95
2	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	64
3	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	49
4	Ethionamide	166	C8H10N2S	000536-33-4	39
5	1H-Phenalene	166	C13H10	000203-80-5	35





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Data File : BF117973.D
Acq On : 23 Nov 2019 22:50
Operator : JU
Sample : K5670-09 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-112119

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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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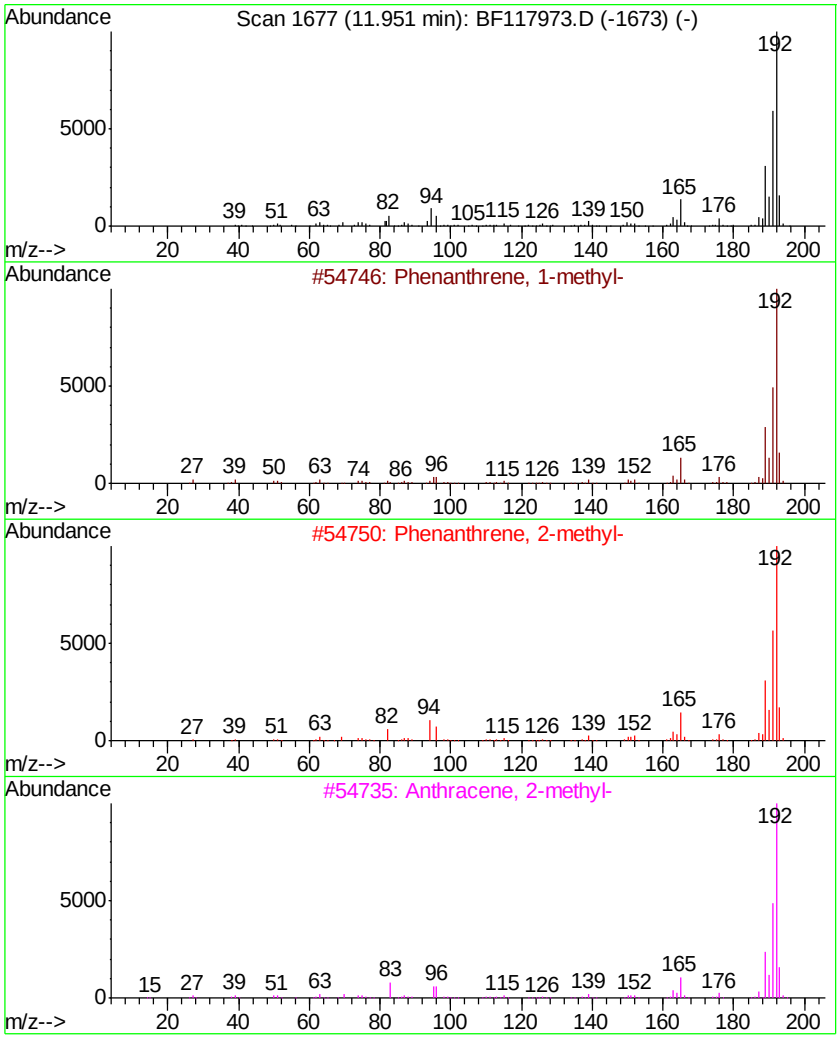
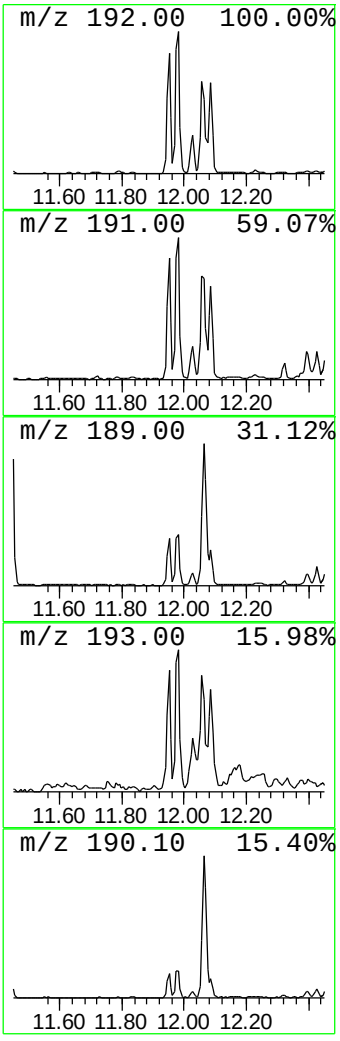
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	5.04 ng	363067	Phenanthrene-d10	11.45

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : K5670-09 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-112119

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

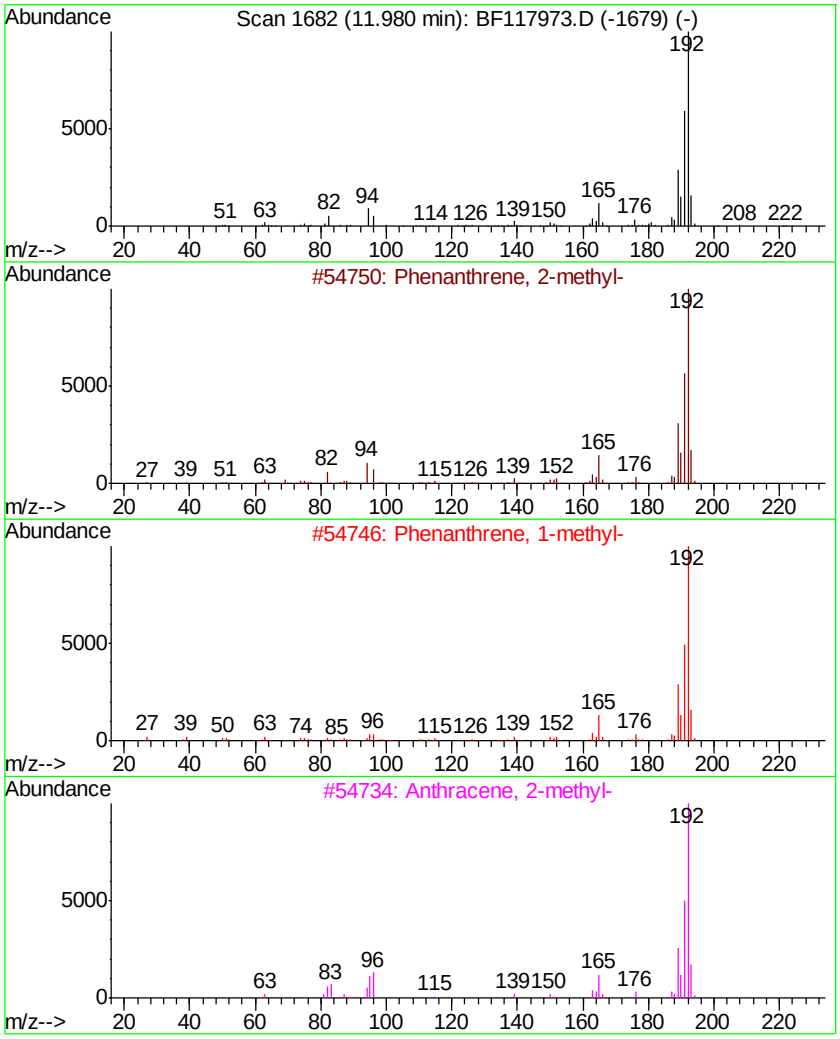
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

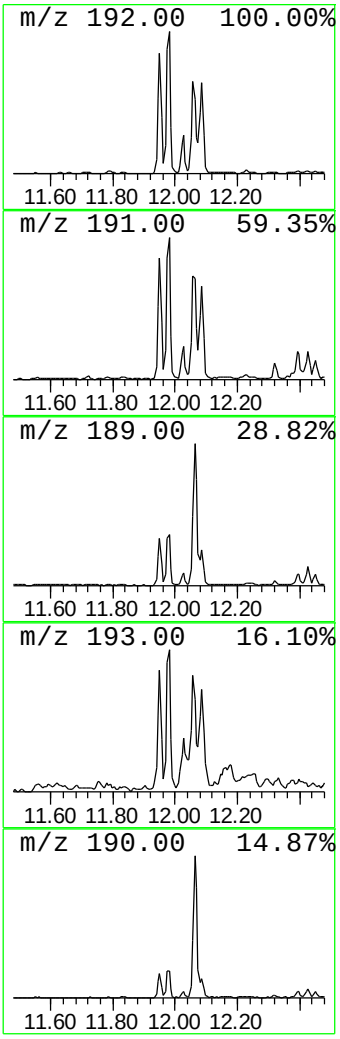
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	5.98 ng	431105	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId : OK-01-112119

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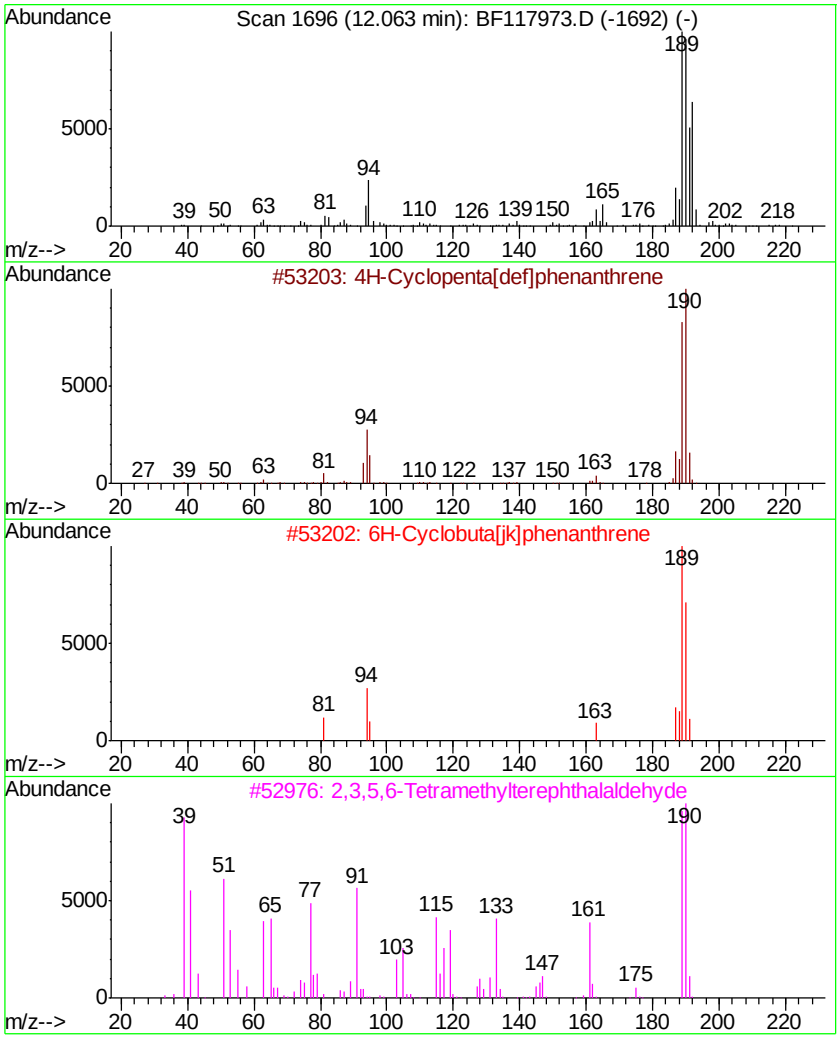
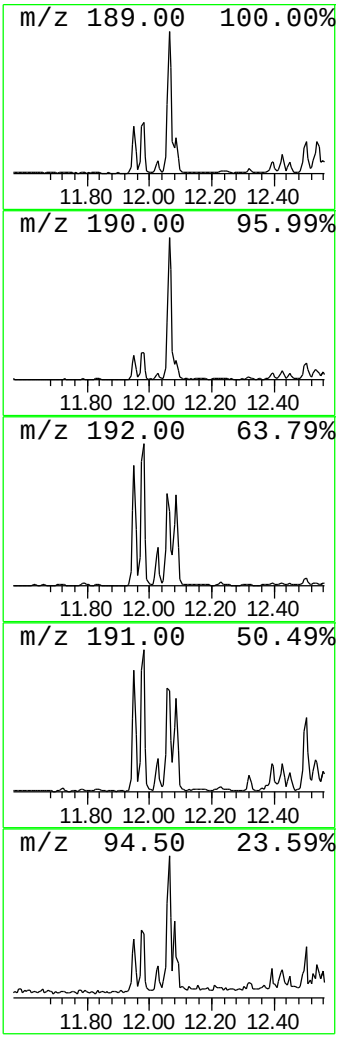
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	7.12 ng	512710	Phenanthrene-d10	11.45

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	58
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27





Library Search Compound Report

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Acq On : 23 Nov 2019 22:50
Operator : JU
Sample : K5670-09 5X
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ClientSampleId : OK-01-112119

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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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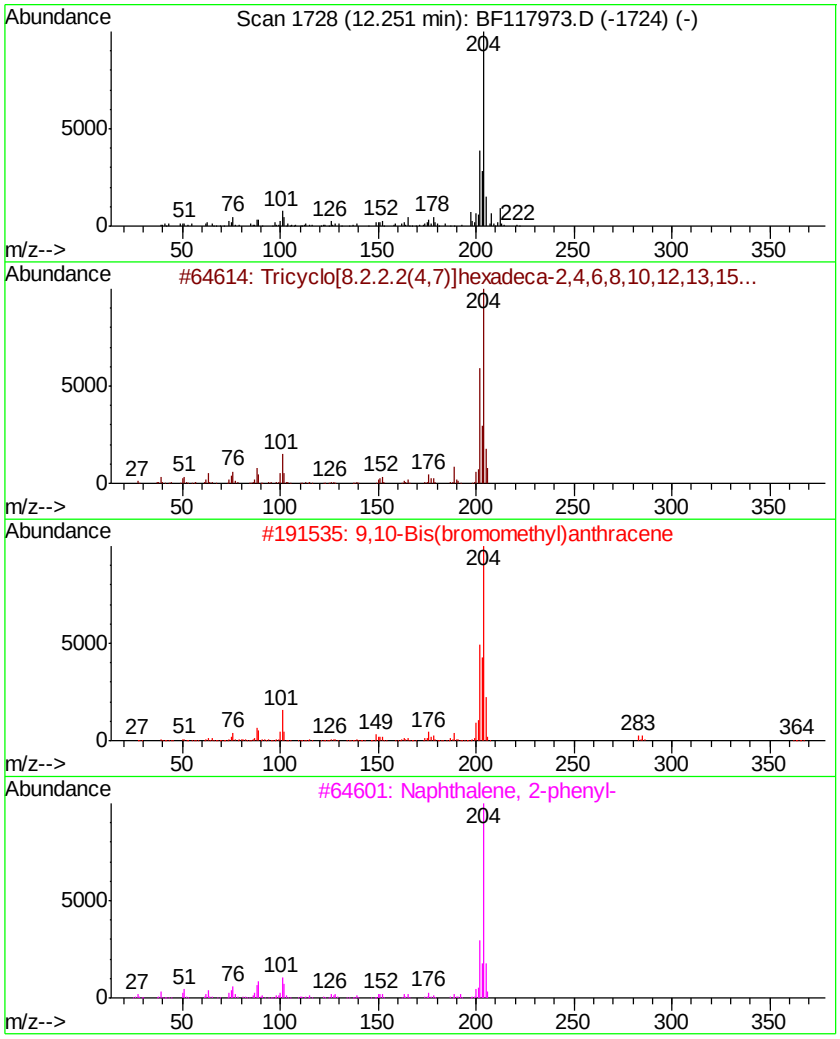
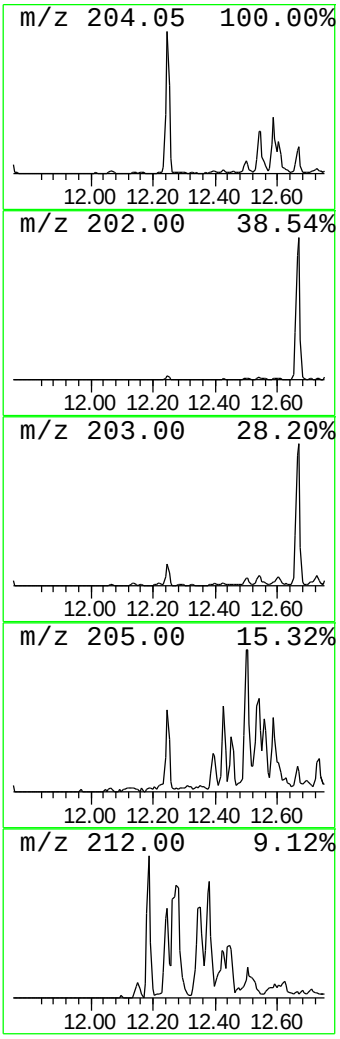
Peak Number 11 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.37 ng	170539	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	74
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49





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Sample : K5670-09 5X
Misc :
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ClientSampleId : OK-01-112119

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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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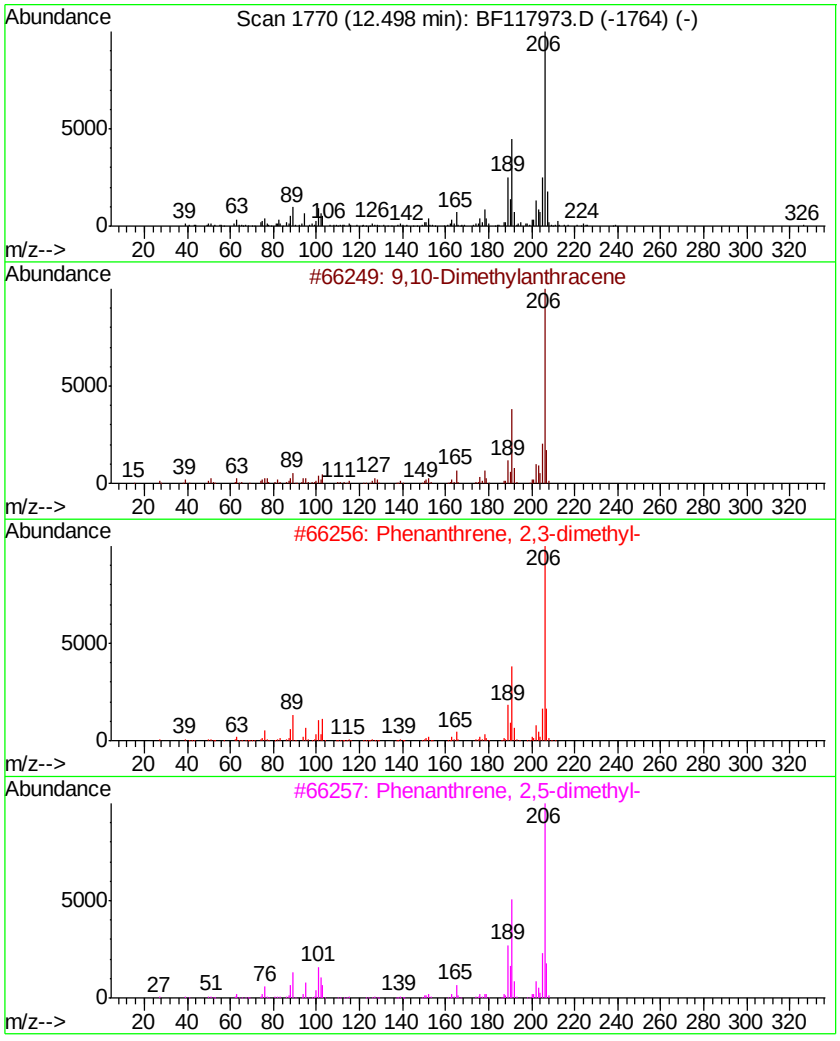
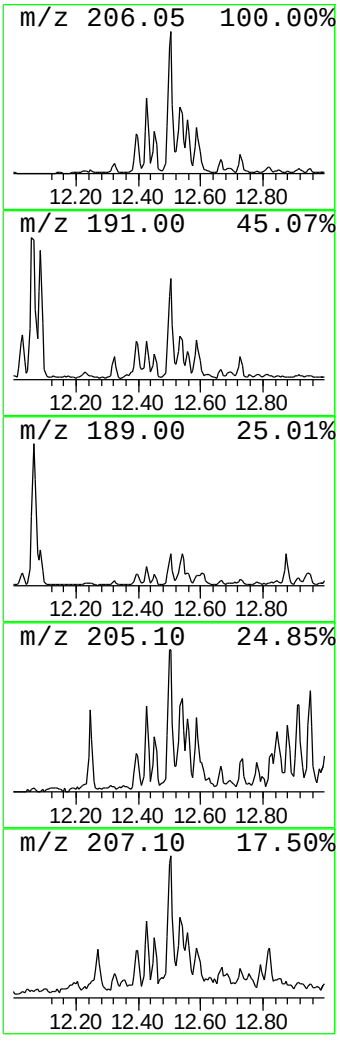
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	5.06 ng	364773	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Misc :
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ClientSampleId : OK-01-112119

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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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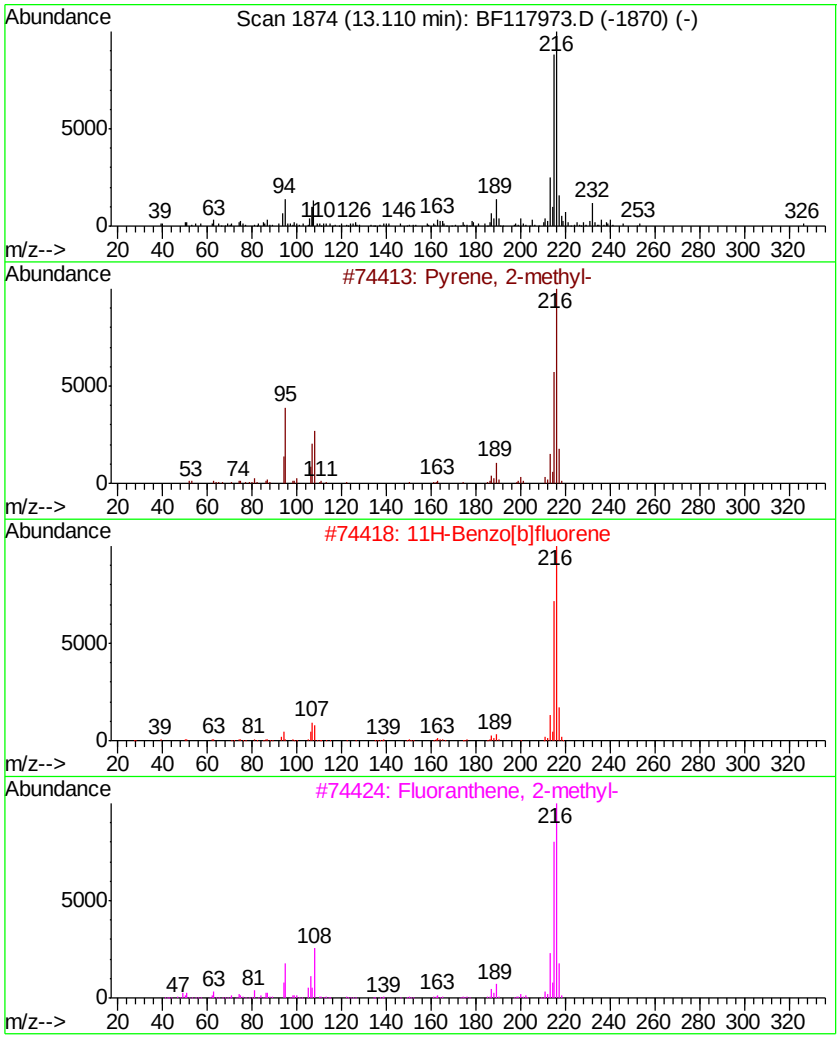
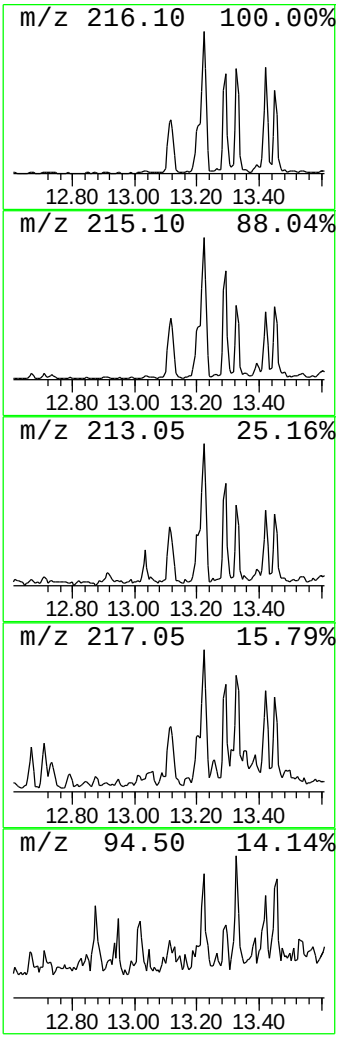
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	2.64 ng	212715	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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Acq On : 23 Nov 2019 22:50
Operator : JU
Sample : K5670-09 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-112119

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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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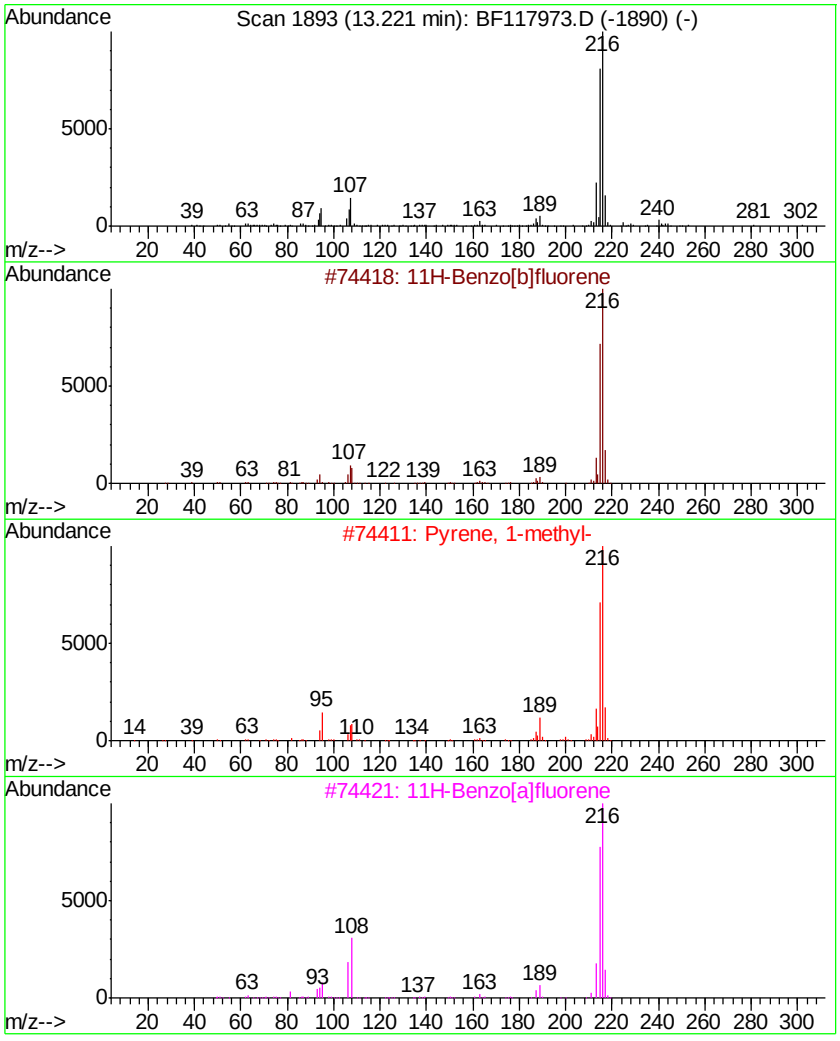
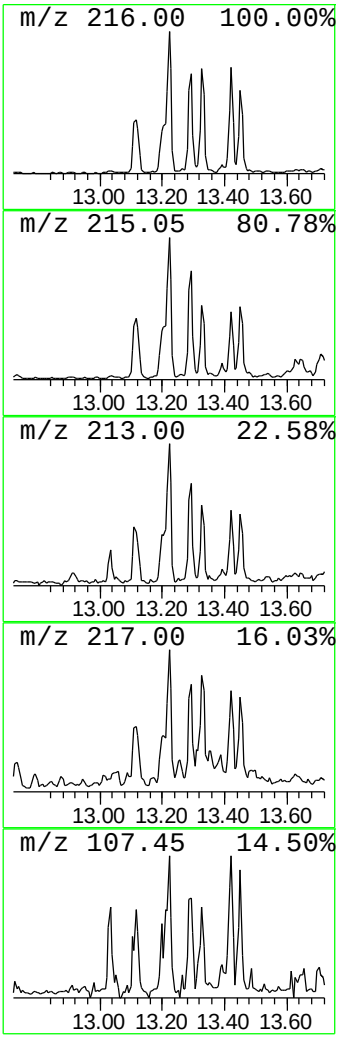
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	3.42 ng	276078	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





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Misc :
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ClientSampleId : OK-01-112119

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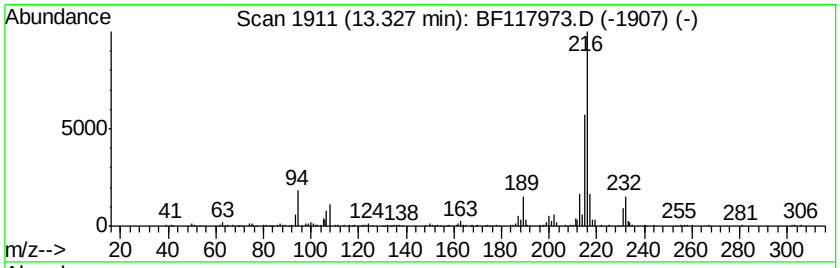
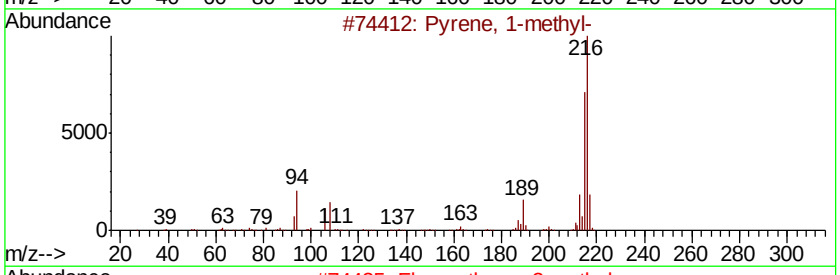
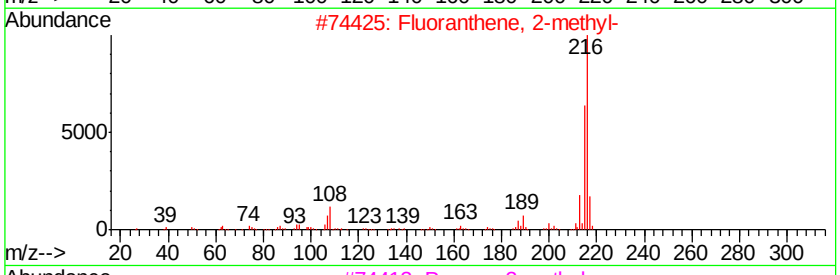
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 17

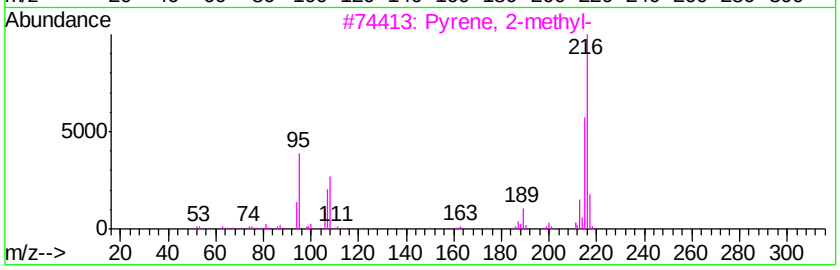
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	2.34 ng	188819	Chrysene-d12	14.10

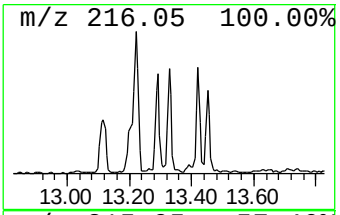
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76

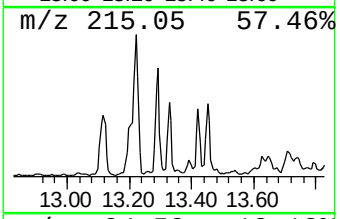


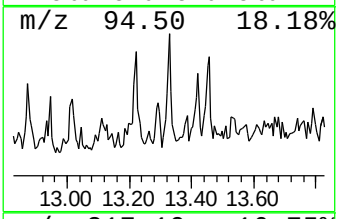


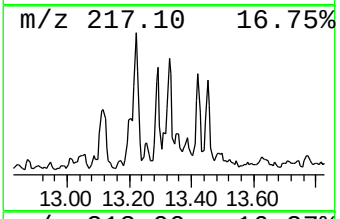


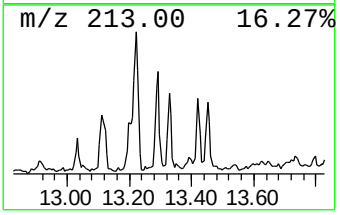












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Acq On : 23 Nov 2019 22:50
Operator : JU
Sample : K5670-09 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-112119

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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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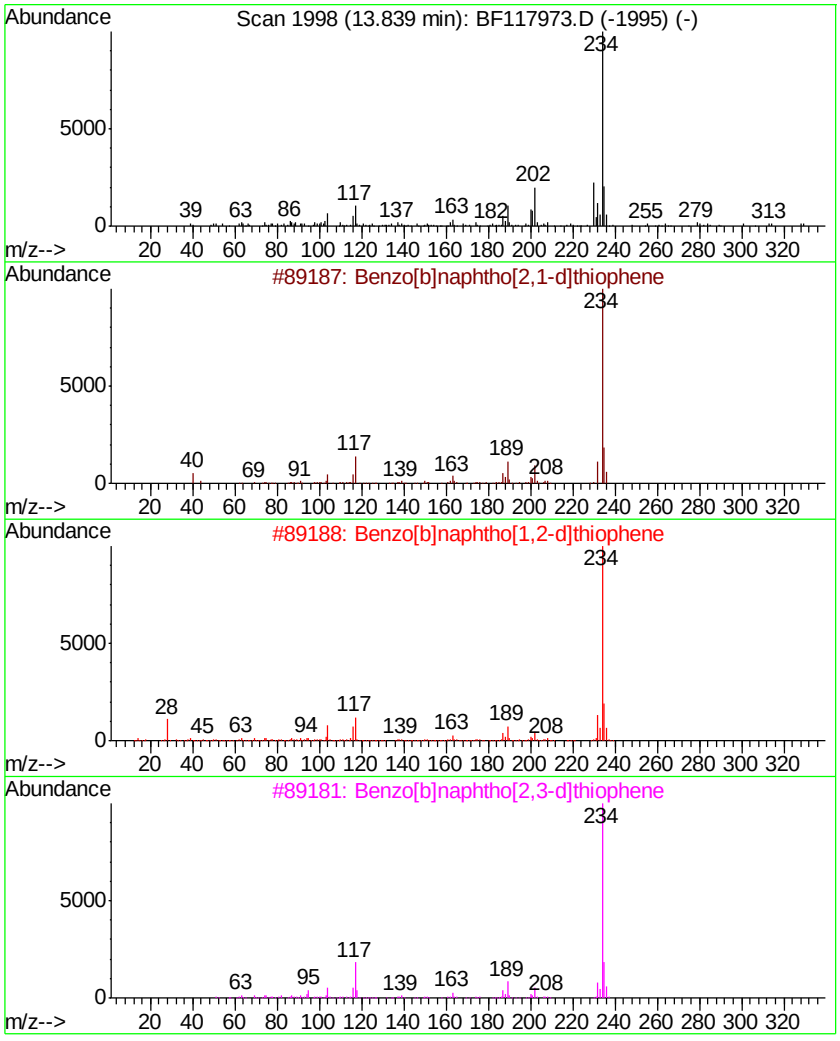
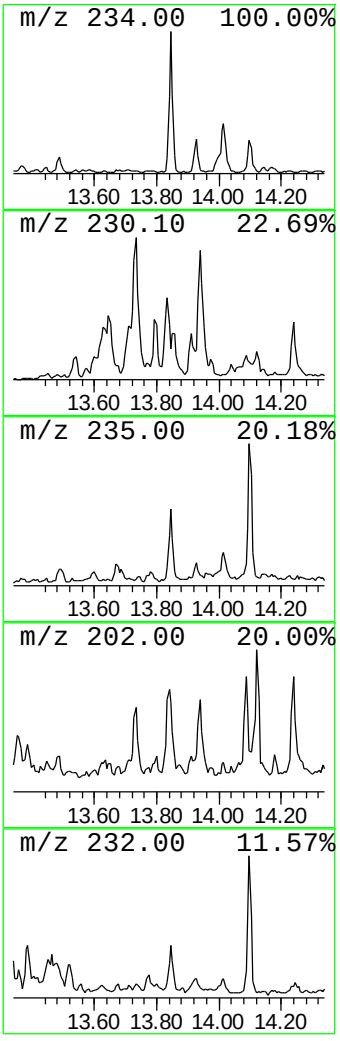
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	2.21 ng	178656	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	81





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-112119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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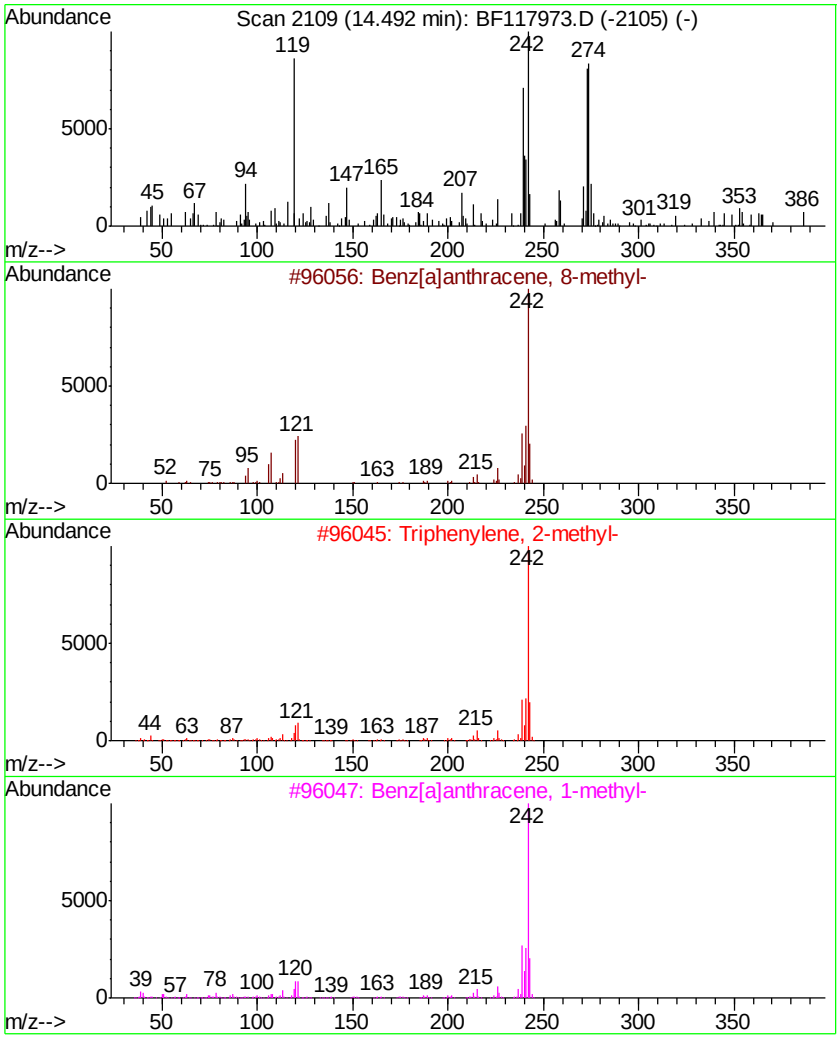
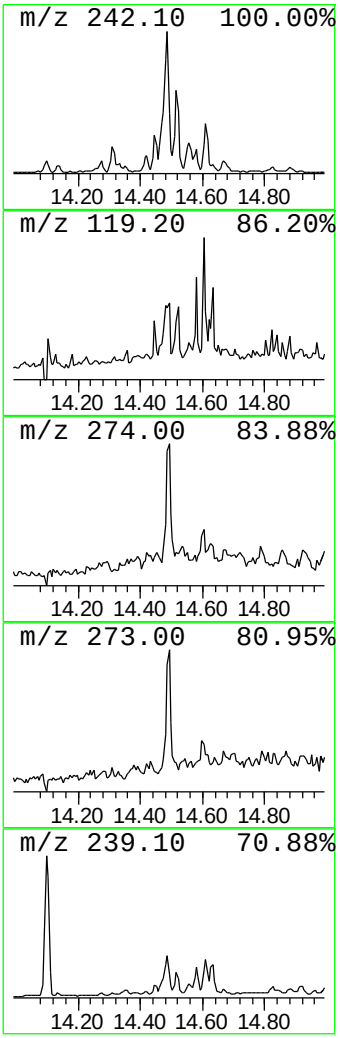
Peak Number 19 Benz[a]anthracene, 8-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	3.03 ng	244837	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	92
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
Data File : BF117973.D
Acq On : 23 Nov 2019 22:50
Operator : JU
Sample : K5670-09 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-112119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

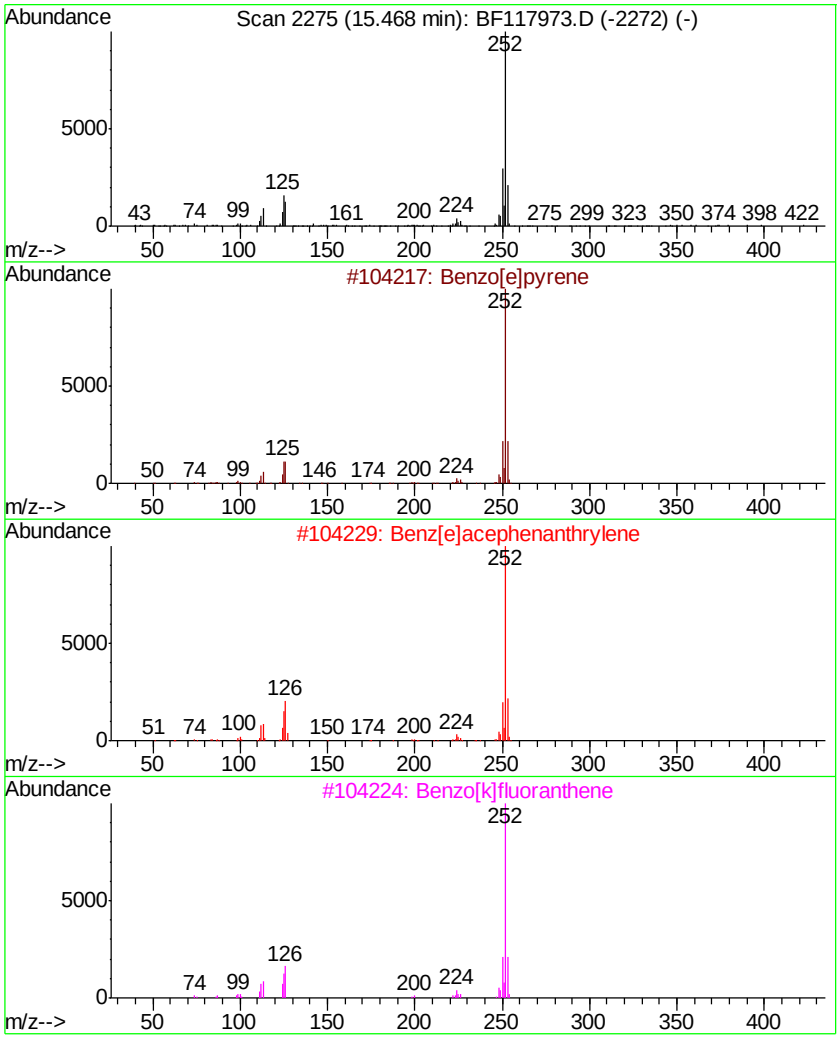
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

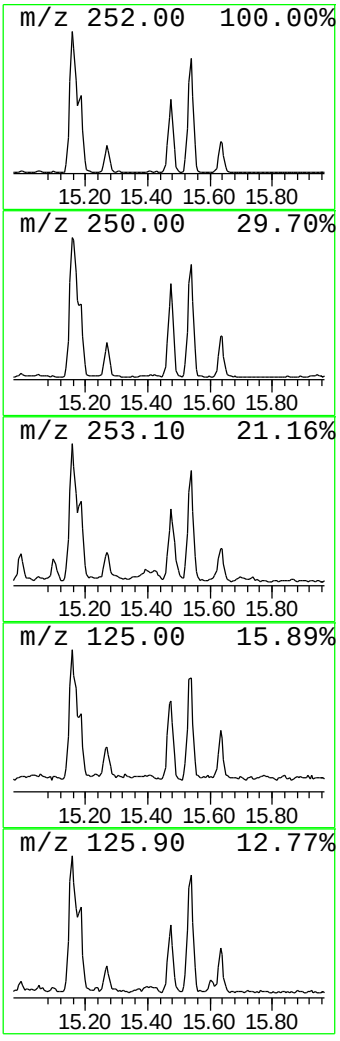
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	6.37 ng	390288	Perylene-d12	15.61

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	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112319\
Data File : BF117973.D
Acq On : 23 Nov 2019 22:50
Operator : JU
Sample : K5670-09 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-112119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.13	7.5	ng	315725	1	6.90	839493	20.0
2-Pentanone, 4-hy...	5.09	2.4	ng	100335	1	6.90	839493	20.0
Xenon	6.67	14.8	ng	619048	1	6.90	839493	20.0
Dimethyl phthalate	9.66	2.3	ng	131650	3	9.96	1166180	20.0
3-Trifluoromethyl...	10.50	2.2	ng	130724	3	9.96	1166180	20.0
Phenanthrene, 1-m...	11.95	5.0	ng	363067	4	11.45	1441170	20.0
Phenanthrene, 2-m...	11.98	6.0	ng	431105	4	11.45	1441170	20.0
4H-Cyclopenta[def...	12.06	7.1	ng	512710	4	11.45	1441170	20.0
Tricyclo[8.2.2.2(...	12.25	2.4	ng	170539	4	11.45	1441170	20.0
9,10-Dimethylanth...	12.50	5.1	ng	364773	4	11.45	1441170	20.0
Pyrene, 2-methyl-	13.11	2.6	ng	212715	5	14.10	1613440	20.0
11H-Benzo[b]fluorene	13.22	3.4	ng	276078	5	14.10	1613440	20.0
Pyrene, 1-methyl-	13.33	2.3	ng	188819	5	14.10	1613440	20.0
Benzo[b]naphtho[2...	13.84	2.2	ng	178656	5	14.10	1613440	20.0
Benz[a]anthracene...	14.49	3.0	ng	244837	5	14.10	1613440	20.0
Benzo[e]pyrene	15.47	6.4	ng	390288	6	15.61	1225220	20.0