LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121419.D
Acq On : 25 Aug 2020 1:37
Operator : JU/CG
Sample : L3772-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

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-BF081920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.875	472	474	483	rVB	19332	26407	1.06%	0.072%
2	5.310	544	548	568	rBV	1338990	1525734	61.12%	4.176%
3	6.345	720	724	750	rBV	1446036	1574834	63.08%	4.310%
4	6.534	751	756	760	rBV2	24815	34892	1.40%	0.095%
5	6.698	780	784	792	rBV	1014044	927512	37.15%	2.538%
6	7.263	875	880	892	rBV	1096153	1079458	43.24%	2.954%
7	7.981	998	1002	1005	rBV	1382182	1192366	47.76%	3.263%
8	8.633	1105	1113	1118	rBV4	17337	29678	1.19%	0.081%
9	9.051	1180	1184	1188	rBV	2058833	1907640	76.42%	5.221%
10	9.392	1239	1242	1244	rBV	29011	27916	1.12%	0.076%
11	9.451	1248	1252	1259	rVB2	235390	232319	9.31%	0.636%
12	9.592	1272	1276	1281	rVB	282445	243905	9.77%	0.668%
13	9.727	1292	1299	1303	rBV	1373796	1325351	53.09%	3.627%
14	9.763	1303	1305	1309	rVB	64444	54678	2.19%	0.150%
15	9.945	1330	1336	1339	rVV2	67634	108033	4.33%	0.296%
16	9.969	1339	1340	1347	rVB2	25038	28943	1.16%	0.079%
17	10.133	1364	1368	1370	rBV3	24080	27817	1.11%	0.076%
18	10.274	1389	1392	1398	rVB2	70173	74113	2.97%	0.203%
19	10.339	1398	1403	1405	rBV	19821	25713	1.03%	0.070%
20	10.522	1430	1434	1439	rBV	964633	884241	35.42%	2.420%
21	10.645	1451	1455	1460	rBV2	64351	82810	3.32%	0.227%
22	10.827	1481	1486	1488	rBV5	30781	40070	1.61%	0.110%
23	10.892	1494	1497	1502	rVB6	23813	39477	1.58%	0.108%
24	10.974	1509	1511	1516	rVB	43226	44377	1.78%	0.121%
25	11.022	1516	1519	1523	rVV	80169	71601	2.87%	0.196%
26	11.063	1523	1526	1529	rVV2	33899	49554	1.99%	0.136%
27	11.110	1532	1534	1540	rVB	81378	80187	3.21%	0.219%
28	11.216	1548	1552	1554	rBV	1387260	1243620	49.82%	3.403%
29	11.239	1554	1556	1559	rVV	1150099	884061	35.41%	2.419%
30	11.286	1559	1564	1568	rVB	255230	253342	10.15%	0.693%
31	11.327	1568	1571	1574	rBV2	41523	48559	1.95%	0.133%
32	11.451	1586	1592	1599	rBV2	101394	158911	6.37%	0.435%
33	11.510	1599	1602	1606	rVV	82530	75300	3.02%	0.206%
34	11.551	1606	1609	1612	rVB3	32749	41529	1.66%	0.114%

LSC Area Percent Report

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Operator : JU/CG
Sample : L3772-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

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-BF081920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.674	1627	1630	1632	rBV	27421	30220	1.21%	0.083%
36	11.716	1633	1637	1639	rVV	207644	179778	7.20%	0.492%
37	11.757	1639	1644	1647	rVV2	441836	631341	25.29%	1.728%
38	11.792	1647	1650	1652	rVV	115159	135013	5.41%	0.369%
39	11.827	1652	1656	1658	rVV	332000	364425	14.60%	0.997%
40	11.851	1658	1660	1666	rVB	161647	135919	5.44%	0.372%
41	11.898	1666	1668	1670	rBV2	39024	36460	1.46%	0.100%
42	11.921	1670	1672	1674	rVB3	35016	28493	1.14%	0.078%
43	12.010	1684	1687	1690	rBV	168834	128419	5.14%	0.351%
44	12.039	1690	1692	1696	rVB	162514	129390	5.18%	0.354%
45	12.157	1707	1712	1715	rBV3	68726	95157	3.81%	0.260%
46	12.192	1715	1718	1720	rVV	63867	49586	1.99%	0.136%
47	12.216	1720	1722	1725	rVB	48457	37508	1.50%	0.103%
48	12.263	1727	1730	1733	rBV	149547	160407	6.43%	0.439%
49	12.304	1733	1737	1739	rVV2	108414	142801	5.72%	0.391%
50	12.351	1742	1745	1753	rVV	180501	212580	8.52%	0.582%
51	12.427	1754	1758	1762	rBV	2063394	1899321	76.08%	5.198%
52	12.474	1764	1766	1767	rBV	38957	27846	1.12%	0.076%
53	12.492	1767	1769	1771	rVB3	55420	40846	1.64%	0.112%
54	12.521	1771	1774	1776	rBV	174439	170152	6.82%	0.466%
55	12.539	1776	1777	1780	rVB2	142942	92715	3.71%	0.254%
56	12.657	1791	1797	1803	rBV	2091719	2355351	94.35%	6.446%
57	12.704	1803	1805	1811	rVV2	94928	145417	5.83%	0.398%
58	12.798	1814	1821	1829	rVB	1721096	1788328	71.64%	4.894%
59	12.874	1829	1834	1838	rBV2	168180	269806	10.81%	0.738%
60	12.963	1845	1849	1850	rBV3	135408	159445	6.39%	0.436%
61	12.986	1850	1853	1856	rVB	254996	266597	10.68%	0.730%
62	13.051	1861	1864	1866	rVB	138130	113710	4.55%	0.311%
63	13.086	1866	1870	1874	rBV2	224653	239015	9.57%	0.654%
64	13.145	1878	1880	1883	rBV3	47328	52757	2.11%	0.144%
65	13.180	1883	1886	1888	rBV	146945	115817	4.64%	0.317%
66	13.210	1888	1891	1895	rBV	156857	139866	5.60%	0.383%
67	13.492	1937	1939	1944	rVB	213188	205268	8.22%	0.562%
68	13.604	1955	1958	1960	rBV	154448	136472	5.47%	0.373%
69	13.627	1960	1962	1964	rVB	178611	124473	4.99%	0.341%
70	13.651	1964	1966	1968	rBV	200299	163314	6.54%	0.447%
71	13.704	1972	1975	1977	rBV	246073	271449	10.87%	0.743%

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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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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.851	1993	2000	2003	rBV2	1608715	2496397	100.00%	6.832%
73	13.880	2003	2005	2008	rVB	1036527	822213	32.94%	2.250%
74	13.957	2016	2018	2020	rBV	123597	89486	3.58%	0.245%
75	14.004	2023	2026	2027	rBV	125196	101998	4.09%	0.279%
76	14.239	2064	2066	2069	rVB	200505	154862	6.20%	0.424%
77	14.274	2069	2072	2076	rBV2	168968	288371	11.55%	0.789%
78	14.362	2085	2087	2089	rBV	150982	148168	5.94%	0.405%
79	14.386	2089	2091	2094	rVB2	119366	102662	4.11%	0.281%
80	14.874	2169	2174	2177	rBV	1078615	1688763	67.65%	4.622%
81	14.968	2188	2190	2194	rBV	215737	224025	8.97%	0.613%
82	15.157	2218	2222	2227	rVB	694288	872324	34.94%	2.387%
83	15.215	2228	2232	2236	rBV2	1011934	1144523	45.85%	3.132%
84	15.274	2237	2242	2245	rBV	870552	1092927	43.78%	2.991%
85	16.639	2469	2474	2481	rVB	476047	816346	32.70%	2.234%
86	17.056	2539	2545	2552	rVB	395846	776294	31.10%	2.125%

Sum of corrected areas: 36539769

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
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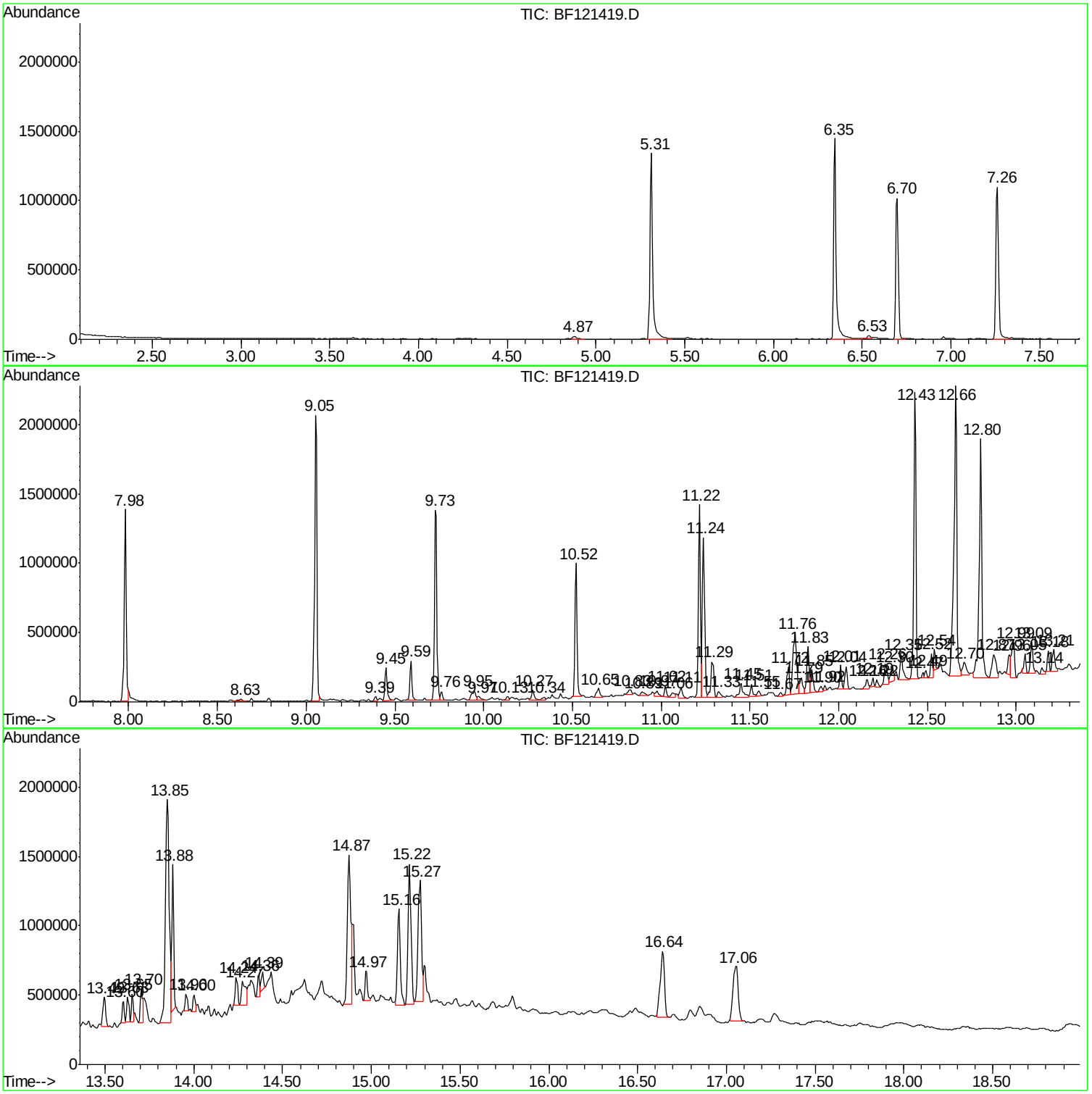
Sample : L3772-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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\BF082420\
Data File : BF121419.D
Acq On : 25 Aug 2020 1:37
Operator : JU/CG
Sample : L3772-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

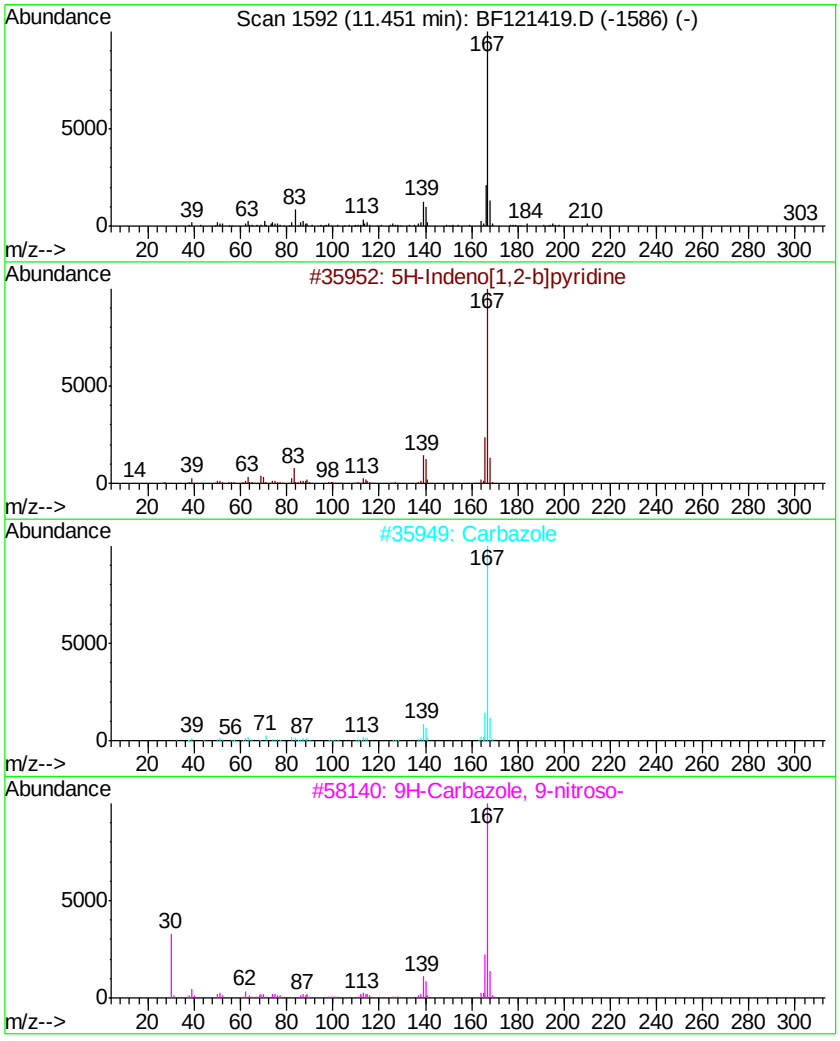
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

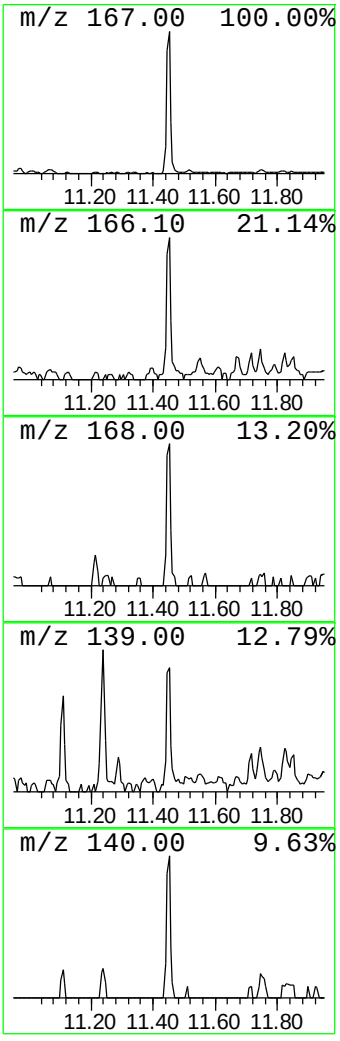
****

Peak Number 1 5H-Indeno[1,2-b]pyridine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	2.56 ng	158911	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	93
2	Carbazole	167	C12H9N	000086-74-8	90
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	86
4	2-Azafluorene	167	C12H9N	000244-40-6	86
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121419.D
Acq On : 25 Aug 2020 1:37
Operator : JU/CG
Sample : L3772-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

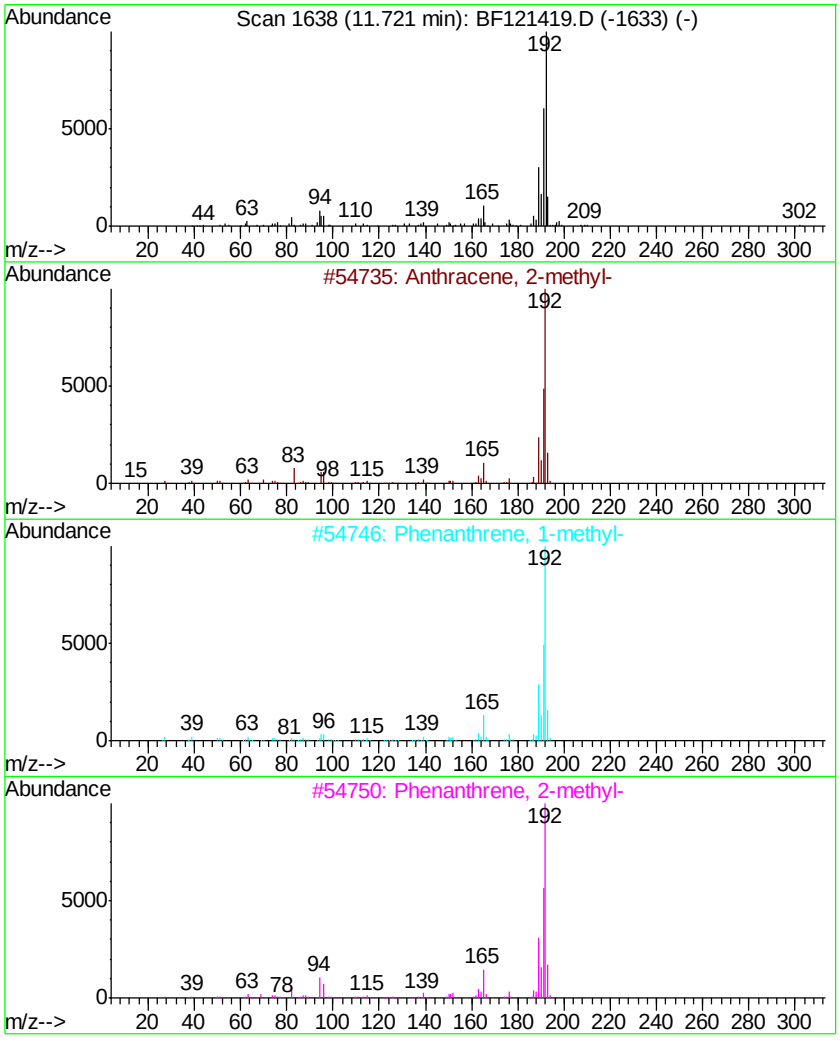
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

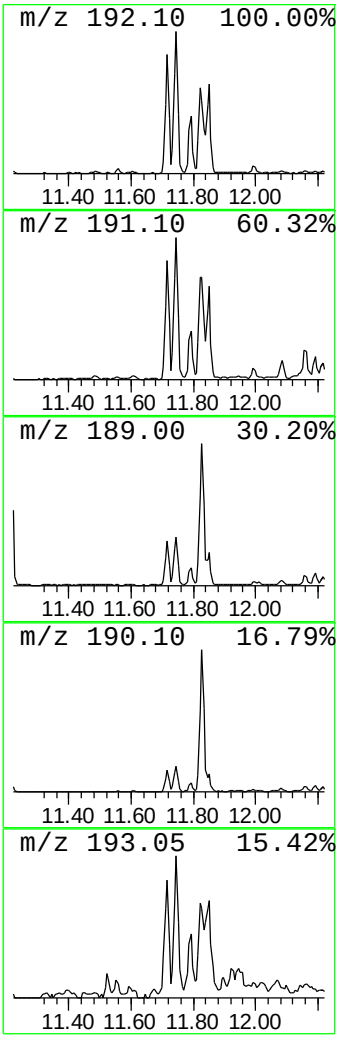
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	2.89 ng	179778	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
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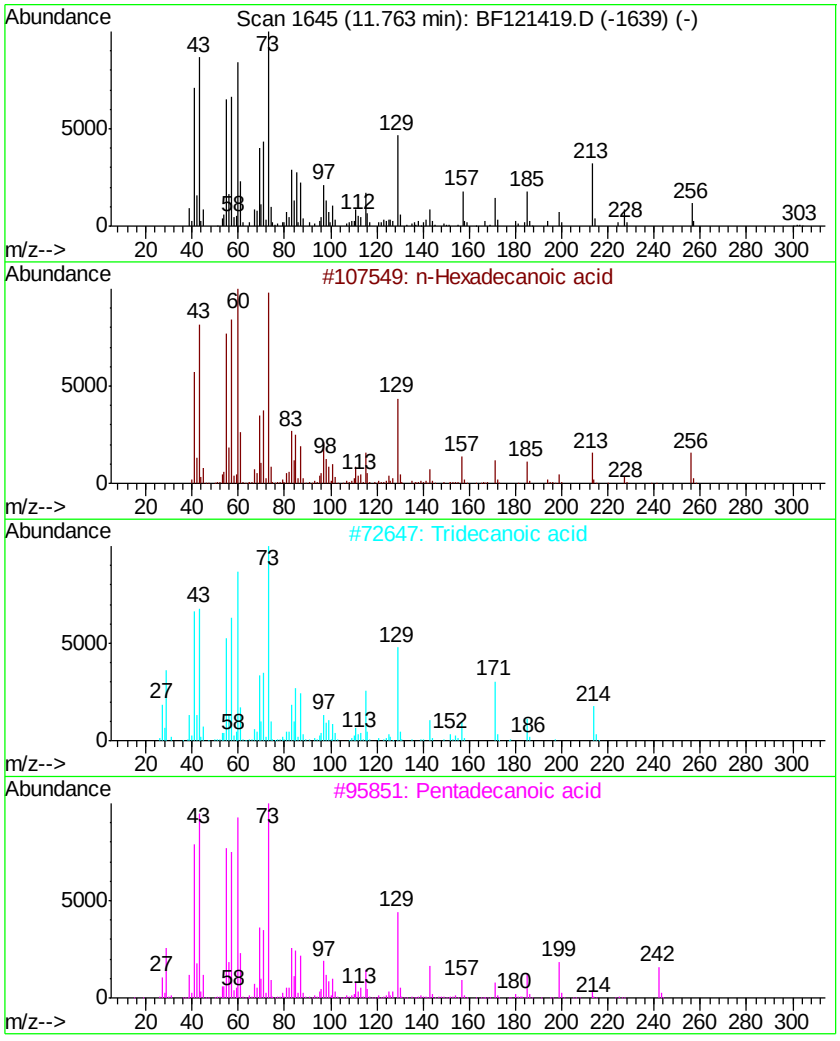
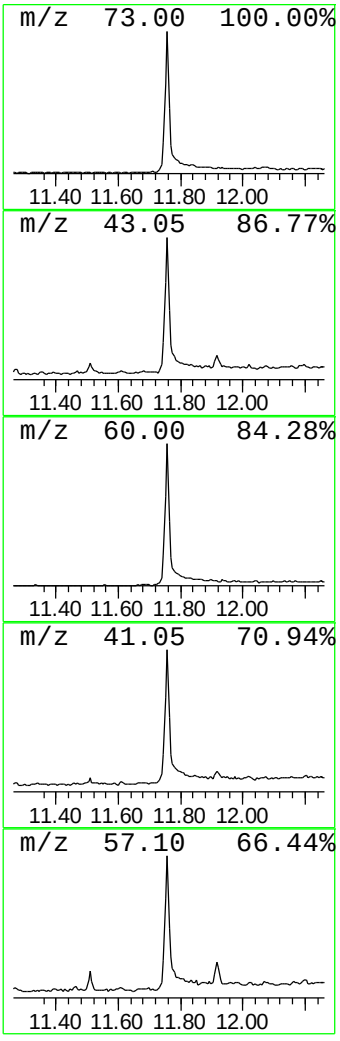
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	10.15 ng	631341	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	90
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
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TIC Library : C:\DATABASE\NIST11.L
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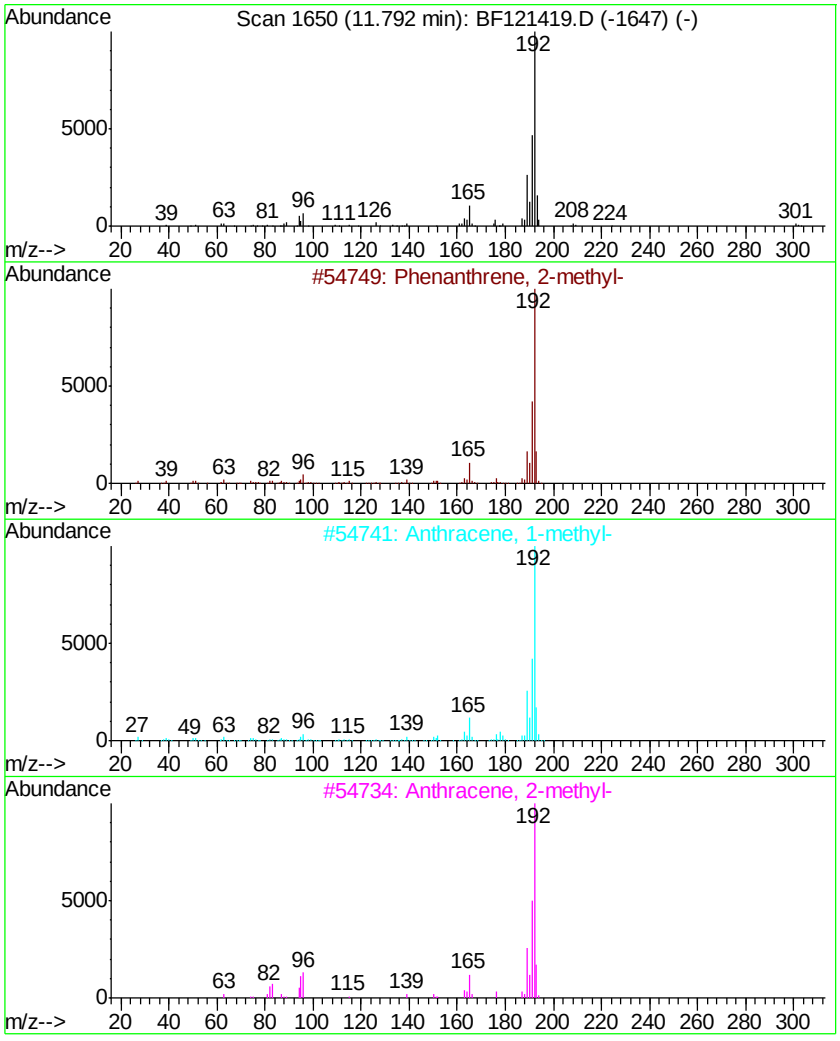
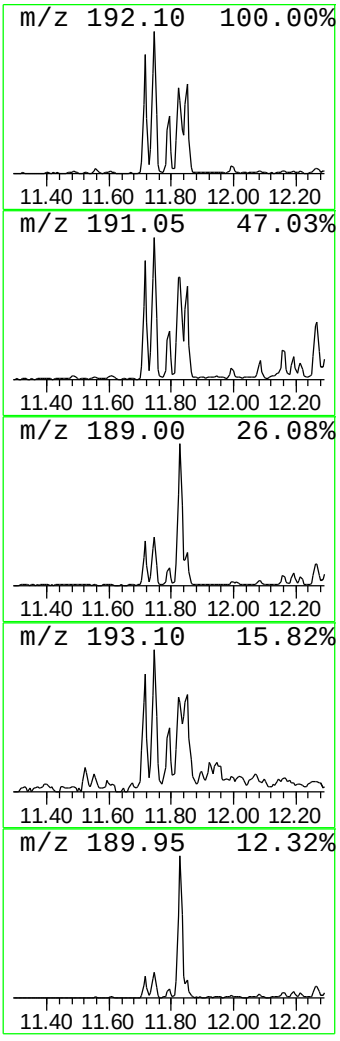
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	2.17 ng	135013	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121419.D
Acq On : 25 Aug 2020 1:37
Operator : JU/CG
Sample : L3772-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

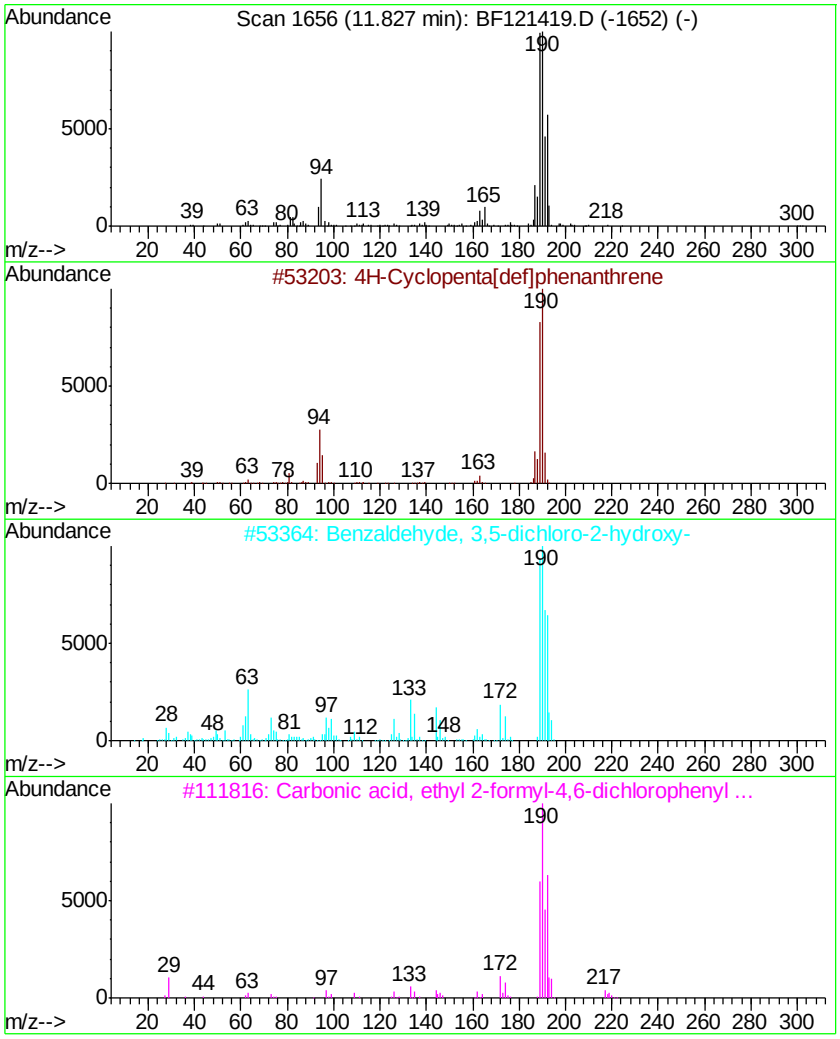
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

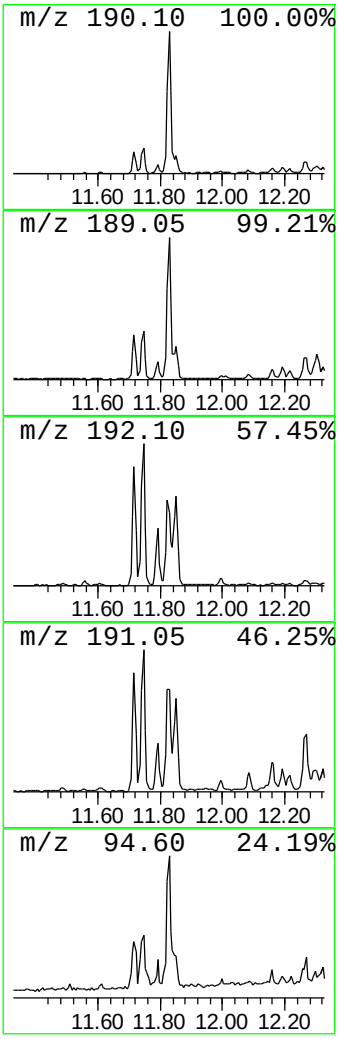
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.86 ng	364425	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121419.D
Acq On : 25 Aug 2020 1:37
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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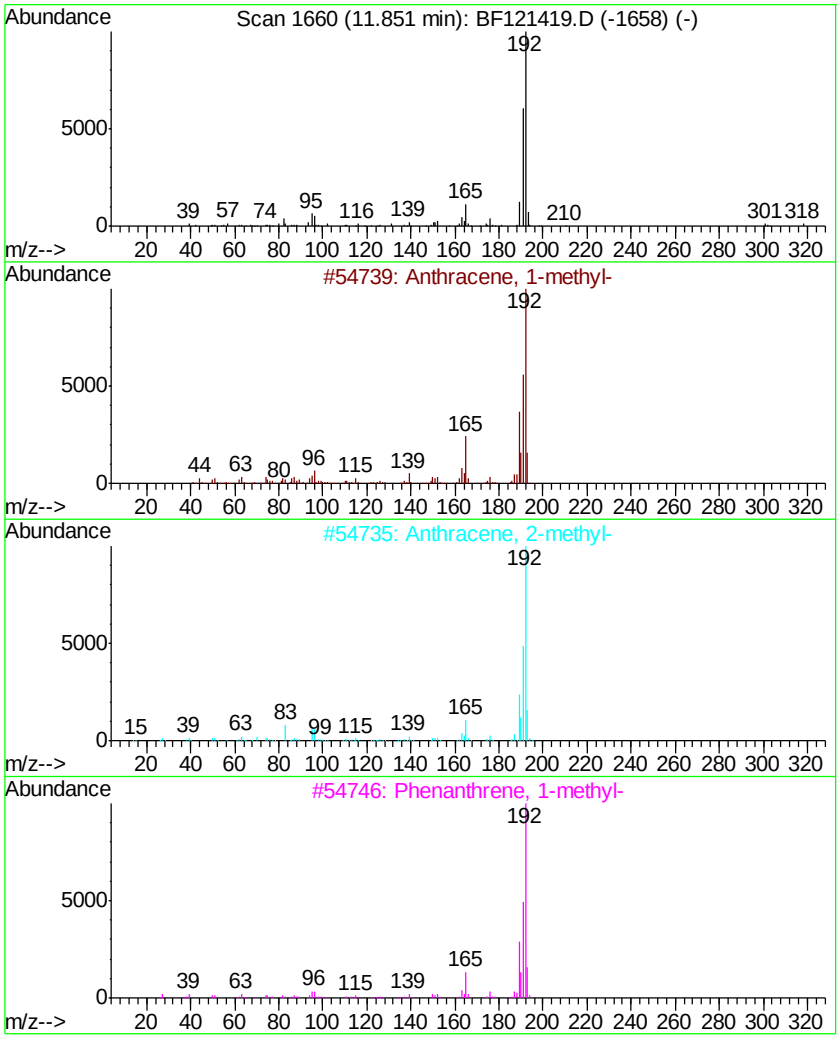
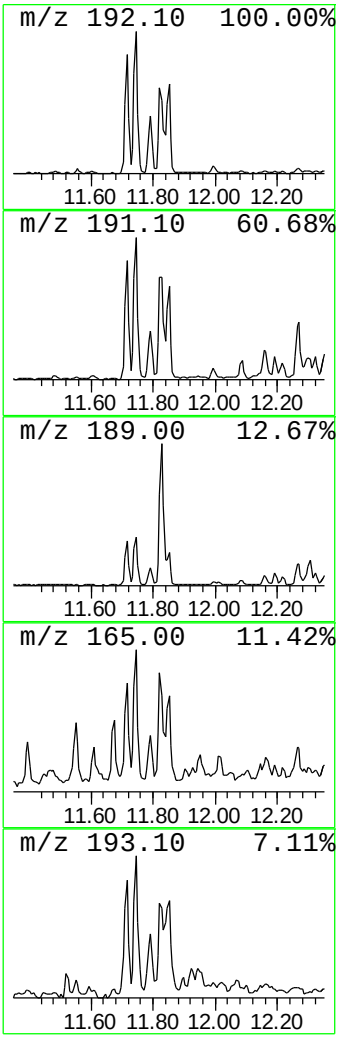
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.19 ng	135919	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83





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Acq On : 25 Aug 2020 1:37
Operator : JU/CG
Sample : L3772-05 2X
Misc :
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Instrument : BNA_F
ClientSampleId : 202-986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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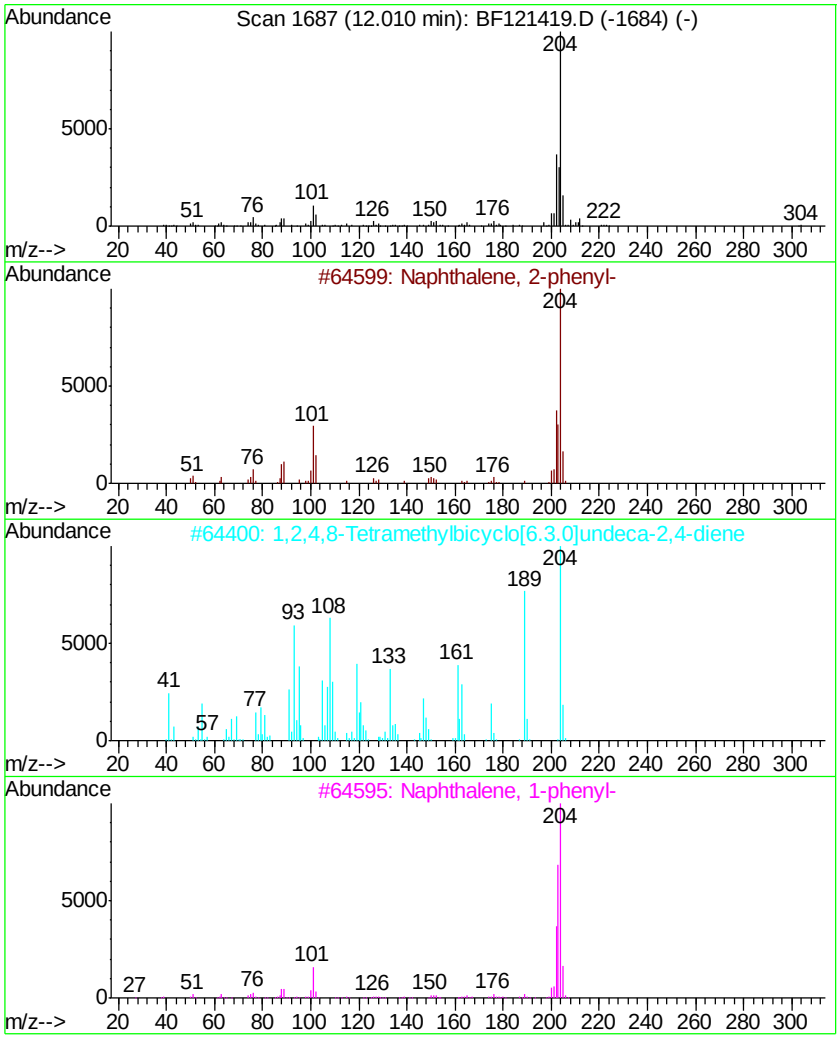
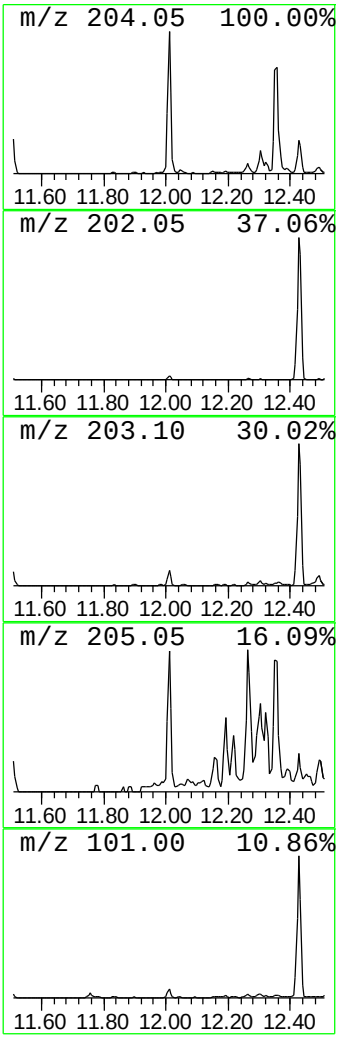
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.07 ng	128419	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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ClientSampleId : 202-986

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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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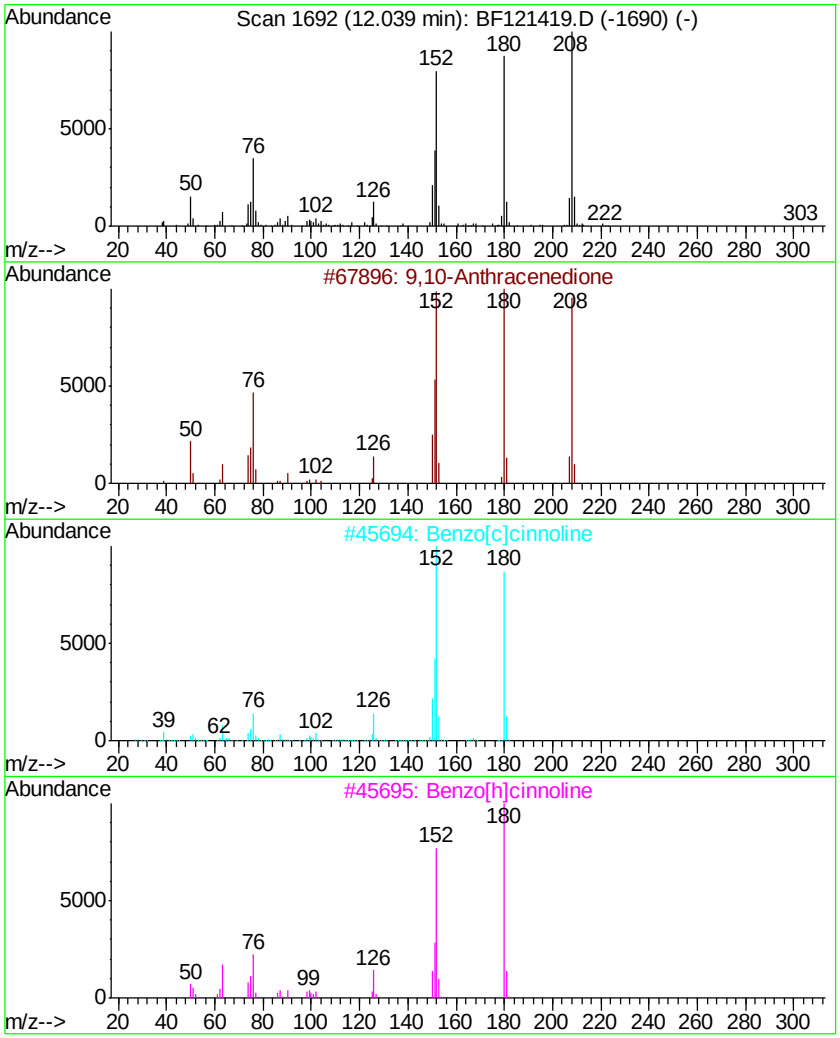
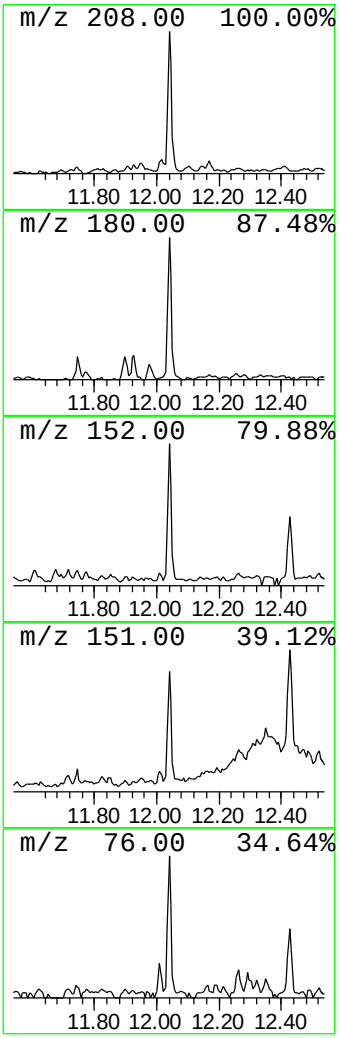
Peak Number 8 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.08 ng	129390	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	97
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	47





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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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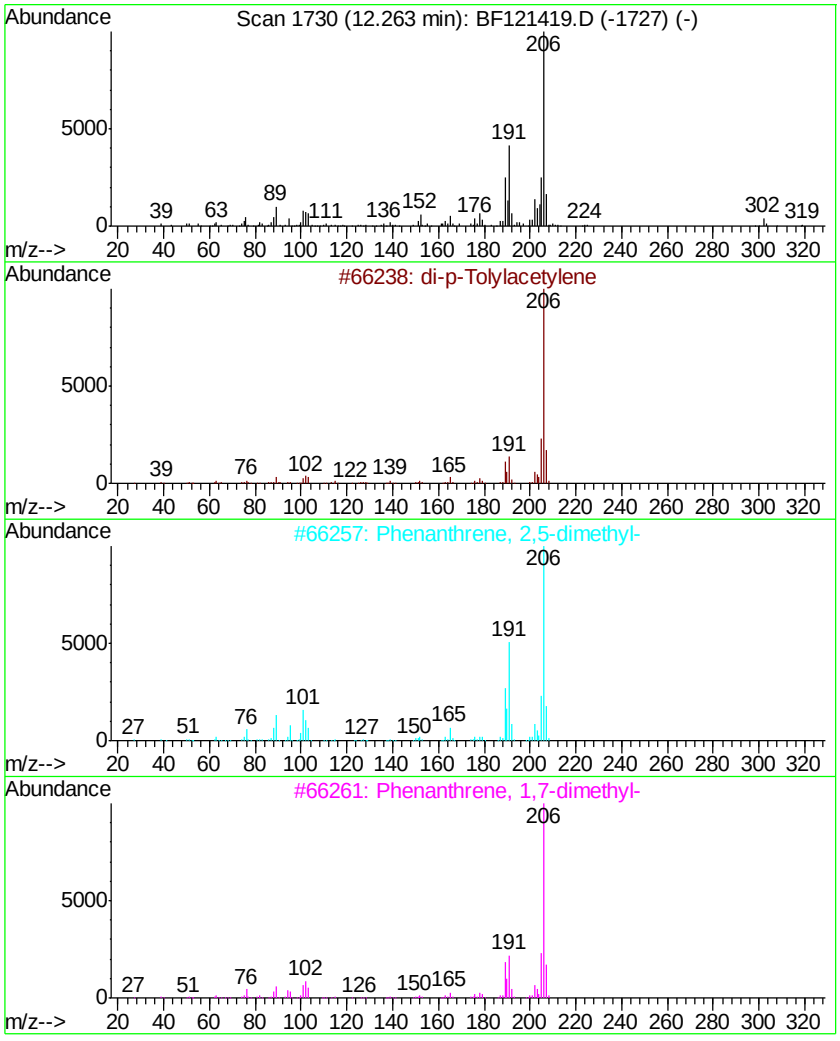
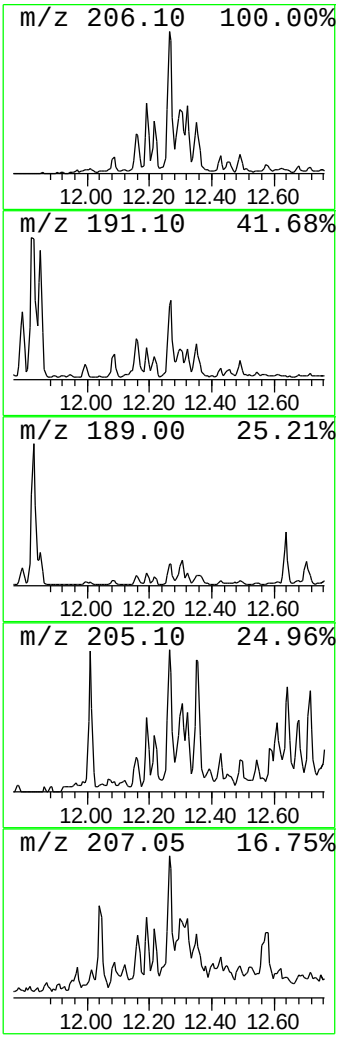
Peak Number 9 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.58 ng	160407	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Misc :
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Instrument : BNA_F
ClientSampleId : 202-986

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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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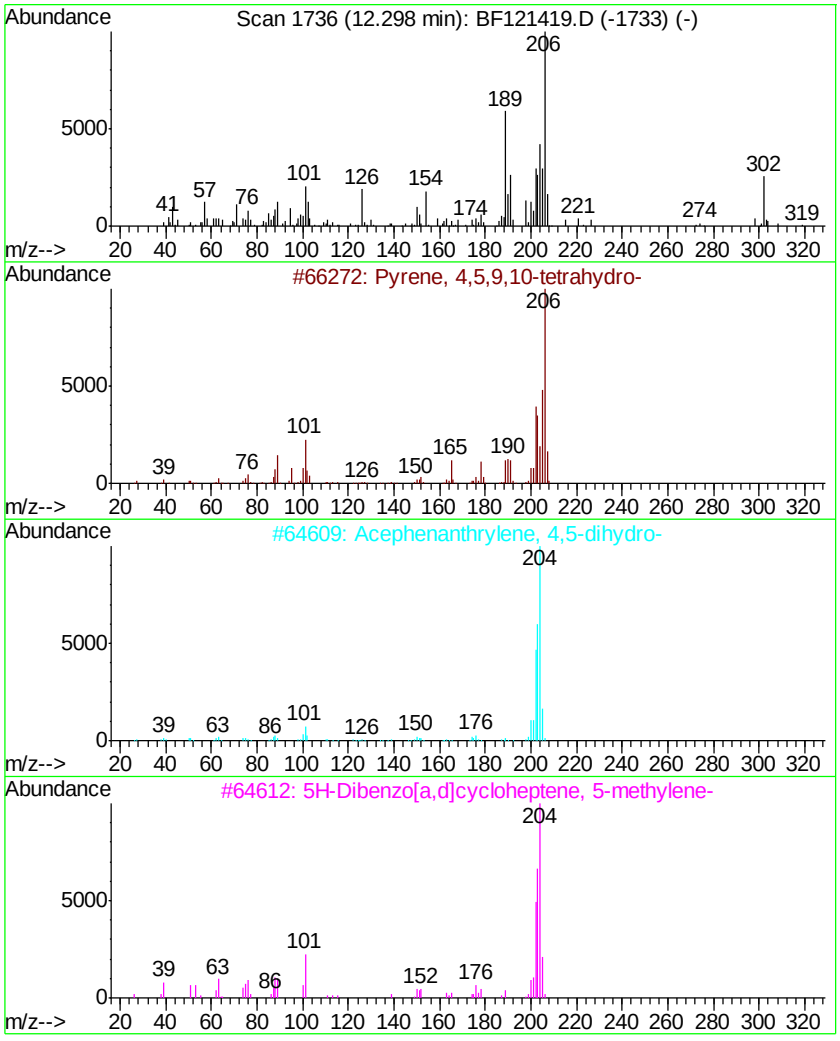
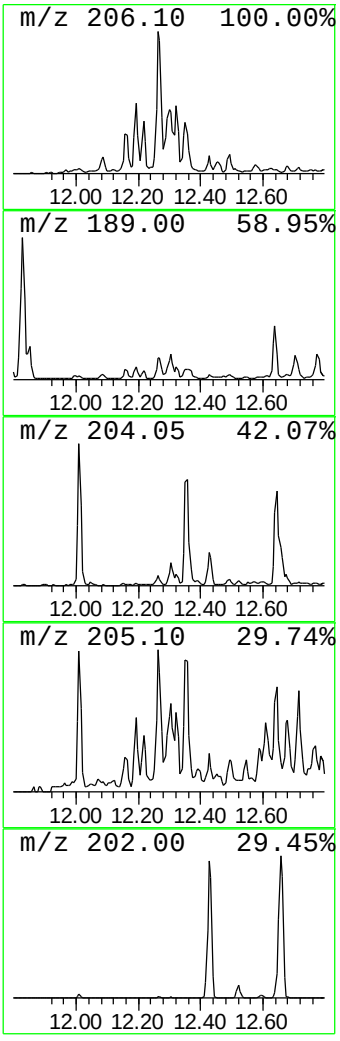
Peak Number 10 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.30 ng	142801	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

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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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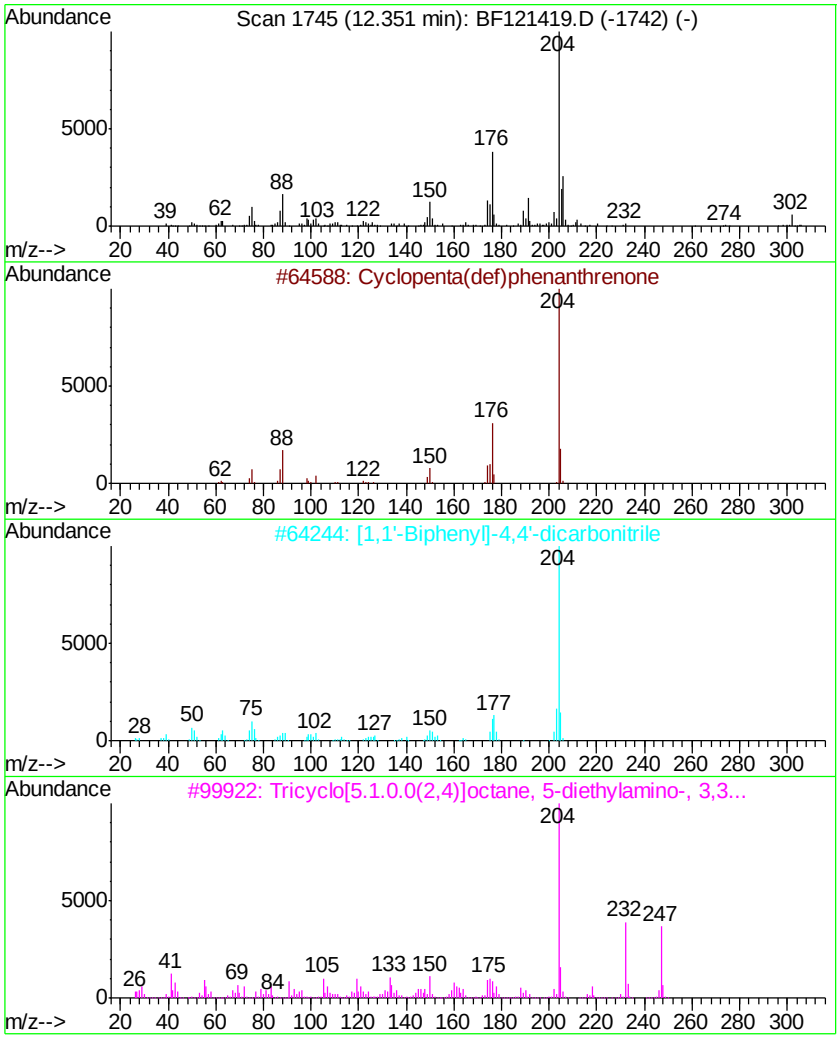
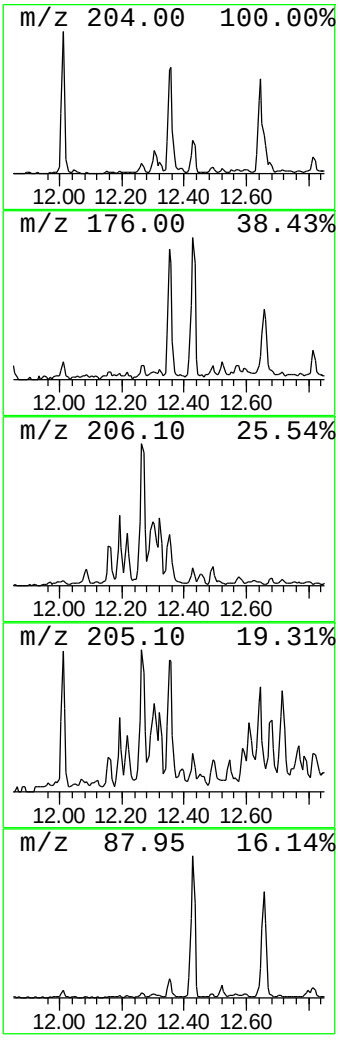
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.42 ng	212580	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	1,4-Naphthalenedione, 2-hydroxy-...	204	C11H8O4	005257-83-0	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42





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Sample : L3772-05 2X
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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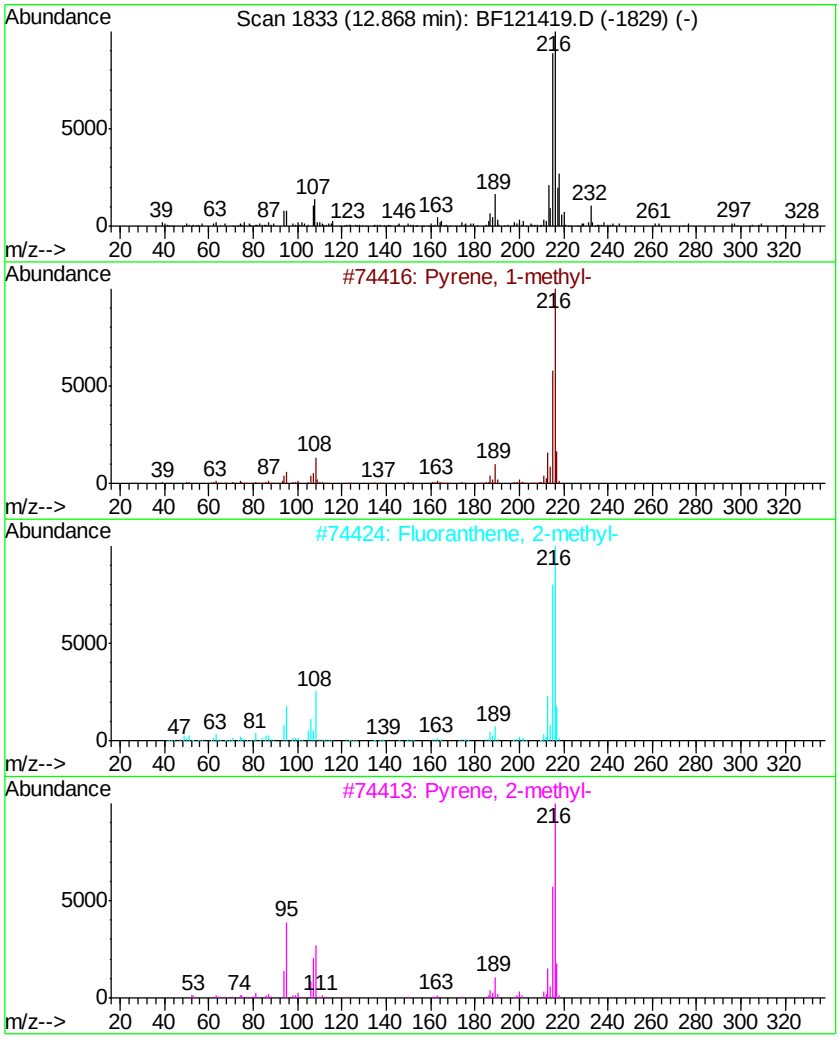
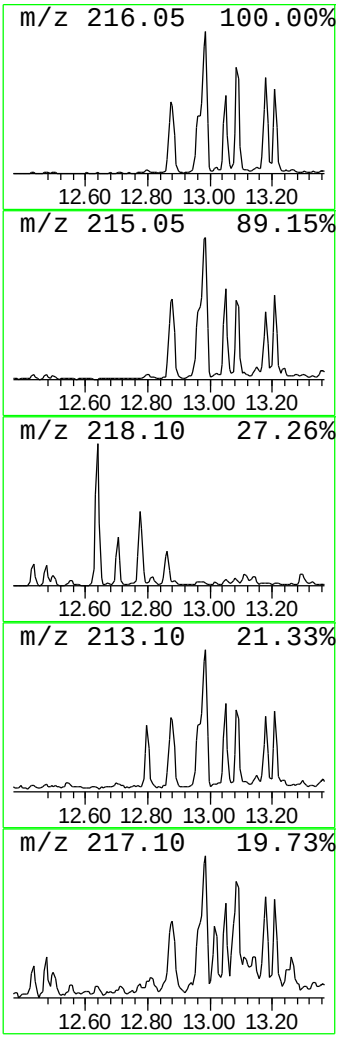
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.16 ng	269806	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

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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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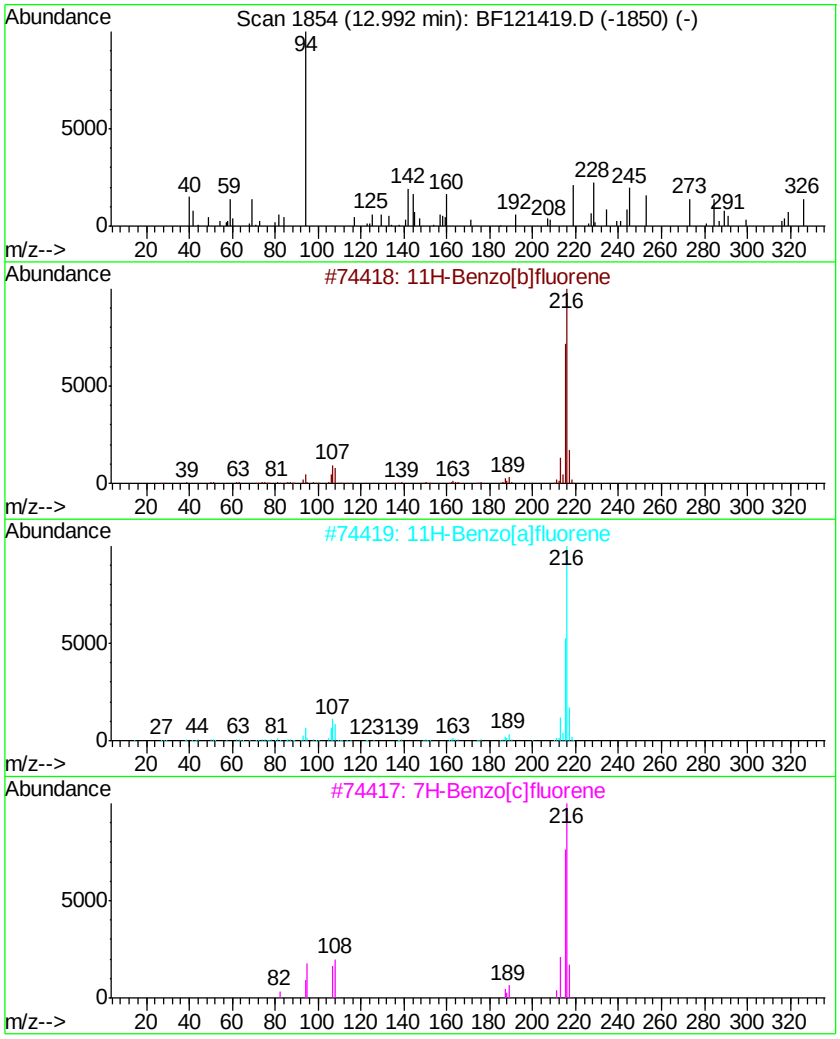
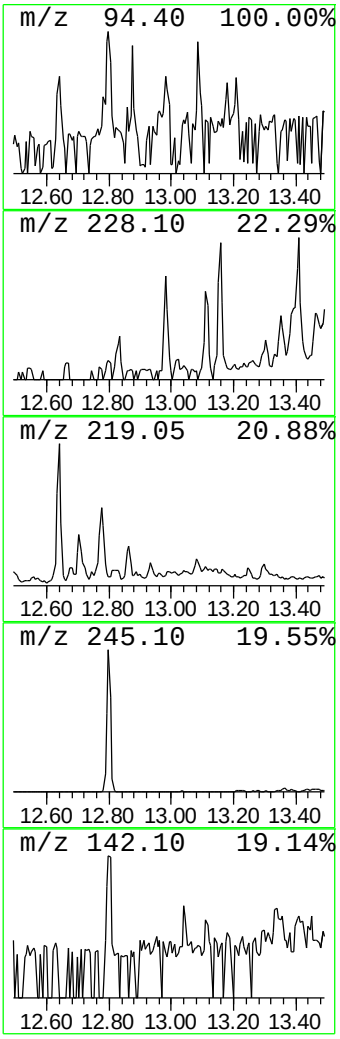
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.14 ng	266597	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

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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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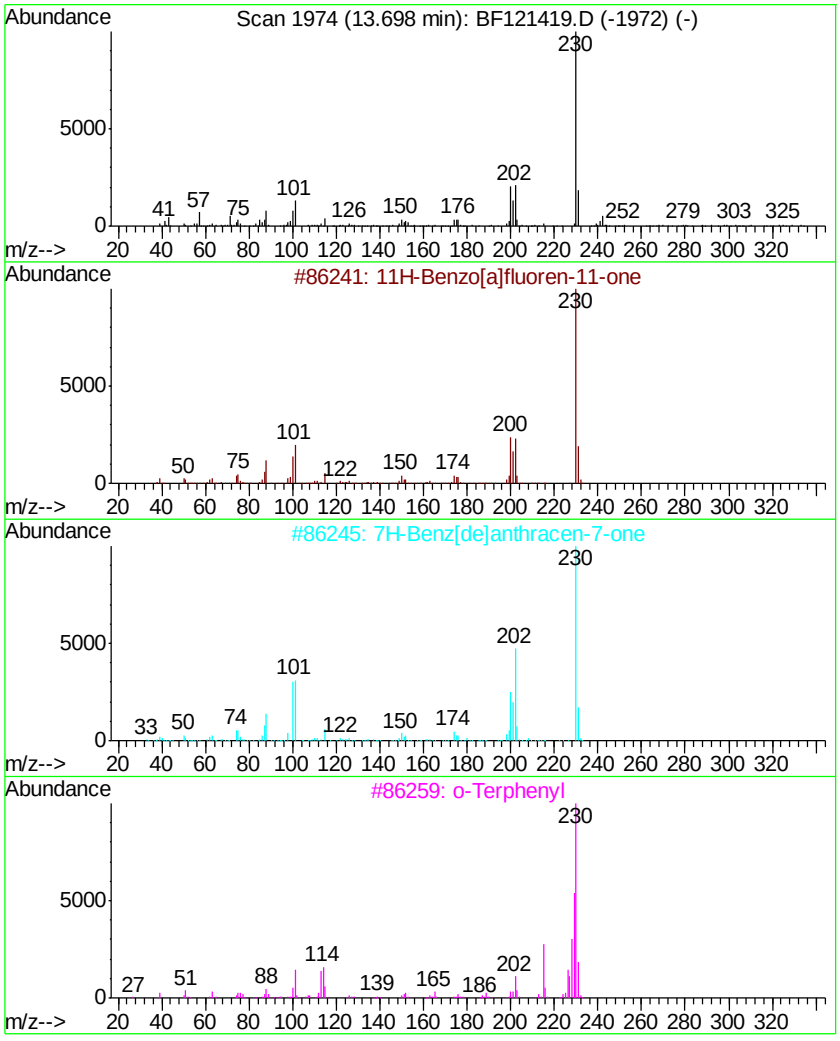
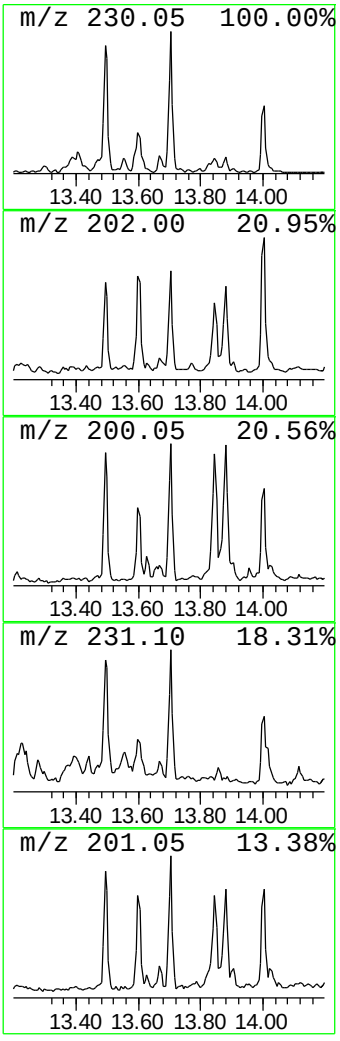
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	2.17 ng	271449	Chrysene-d12	13.86

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	o-Terphenyl	230	C18H14	000084-15-1	64
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	56





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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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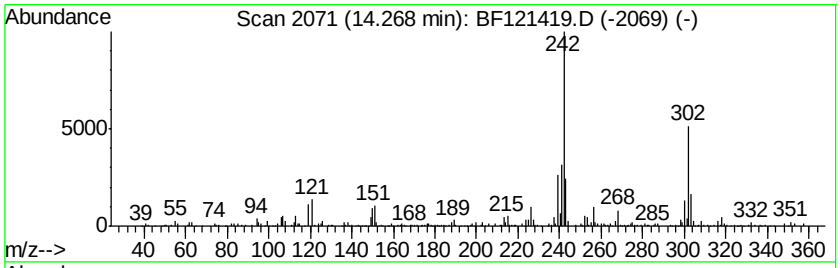
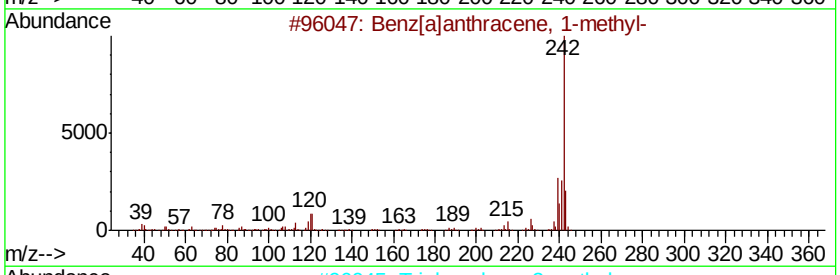
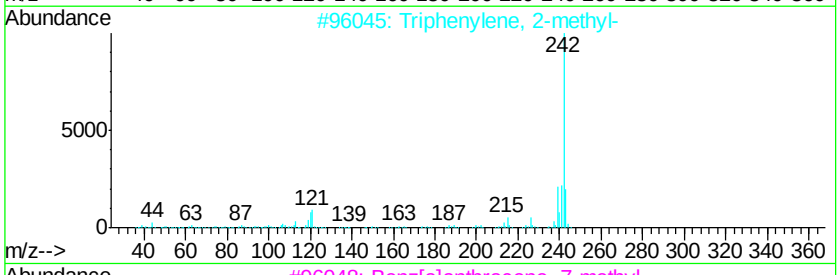
Peak Number 16 Benz[a]anthracene, 1-methyl- Concentration Rank 10

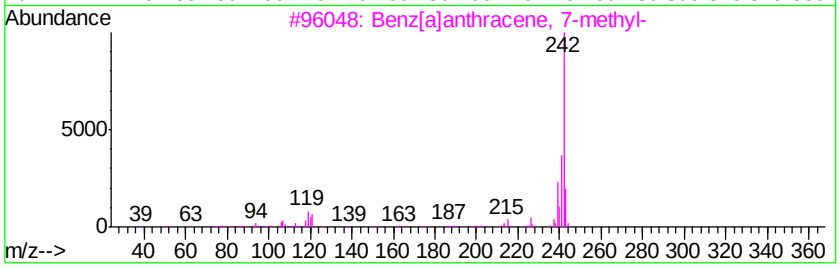
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	2.31 ng	288371	Chrysene-d12	13.86

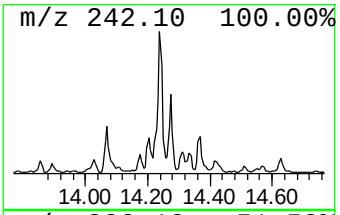
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	95
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90

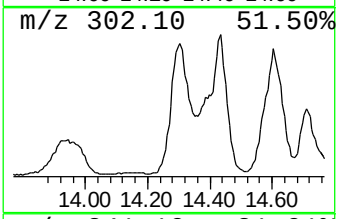


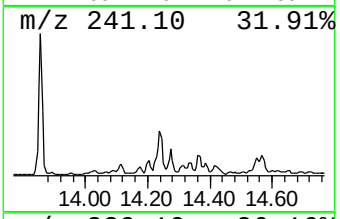


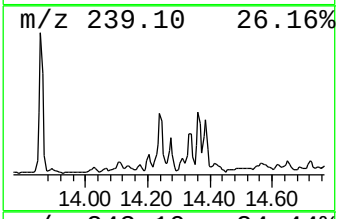


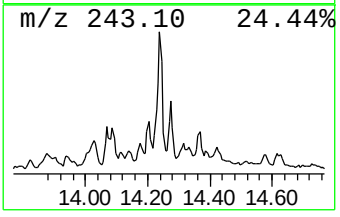












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Acq On : 25 Aug 2020 1:37
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Sample : L3772-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

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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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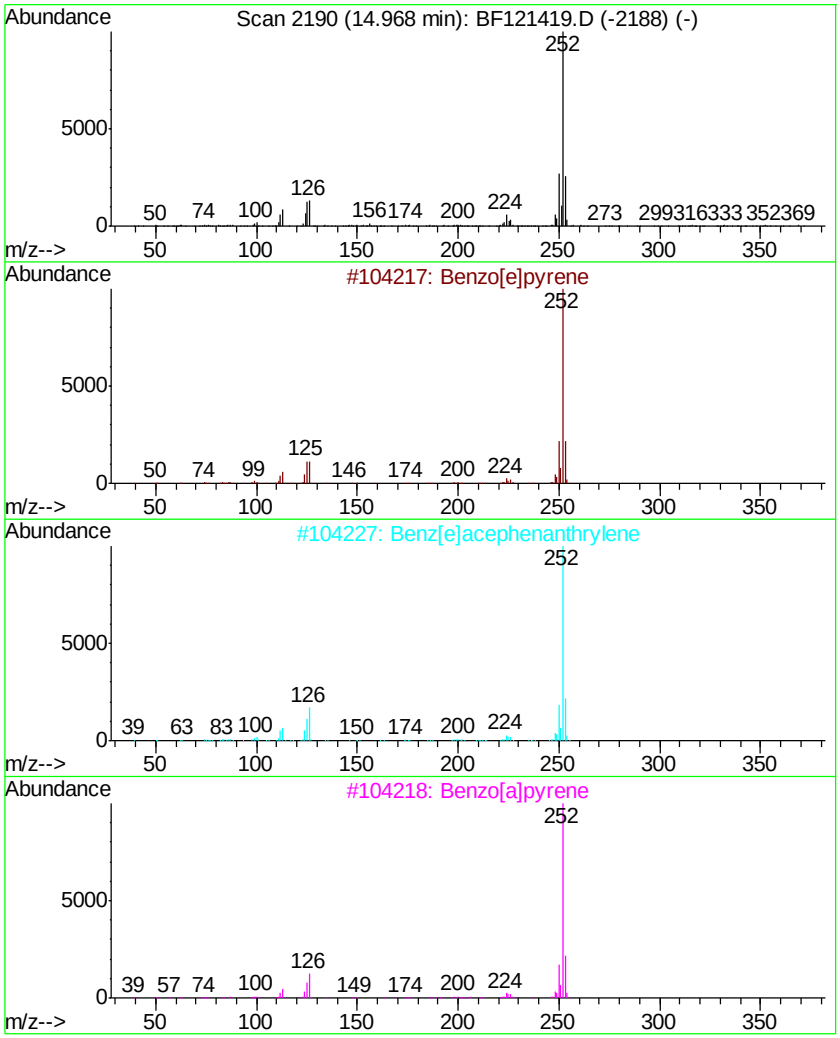
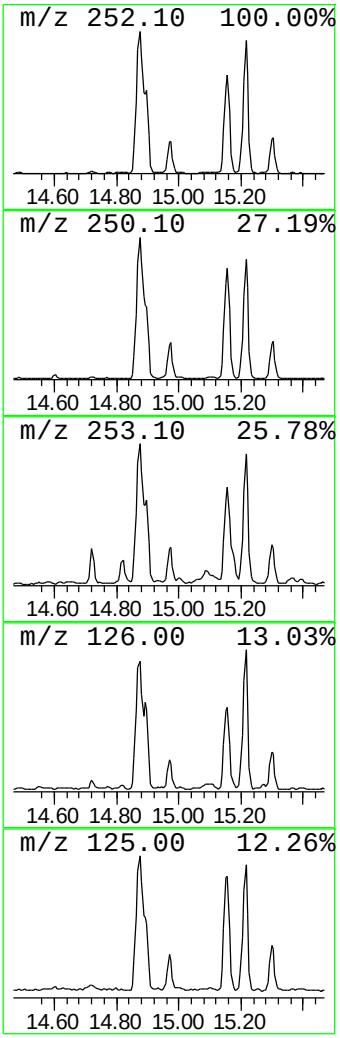
Peak Number 17 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	4.10 ng	224025	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082420\
Data File : BF121419.D
Acq On : 25 Aug 2020 1:37
Operator : JU/CG
Sample : L3772-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 202-986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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
5H-Indeno[1,2-b]p...	11.45	2.6	ng	158911	4	11.22	1243620	20.0
Anthracene, 2-met...	11.72	2.9	ng	179778	4	11.22	1243620	20.0
n-Hexadecanoic acid	11.76	10.2	ng	631341	4	11.22	1243620	20.0
Phenanthrene, 2-m...	11.79	2.2	ng	135013	4	11.22	1243620	20.0
4H-Cyclopenta[def...	11.83	5.9	ng	364425	4	11.22	1243620	20.0
Anthracene, 1-met...	11.85	2.2	ng	135919	4	11.22	1243620	20.0
Naphthalene, 2-ph...	12.01	2.1	ng	128419	4	11.22	1243620	20.0
9,10-Anthracenedione	12.04	2.1	ng	129390	4	11.22	1243620	20.0
di-p-Tolylacetylene	12.26	2.6	ng	160407	4	11.22	1243620	20.0
Pyrene, 4,5,9,10-...	12.30	2.3	ng	142801	4	11.22	1243620	20.0
Cyclopenta(def)ph...	12.35	3.4	ng	212580	4	11.22	1243620	20.0
Pyrene, 1-methyl-	12.87	2.2	ng	269806	5	13.86	2496400	20.0
11H-Benzo[b]fluorene	12.99	2.1	ng	266597	5	13.86	2496400	20.0
11H-Benzo[a]fluor...	13.70	2.2	ng	271449	5	13.86	2496400	20.0
Benz[a]anthracene...	14.27	2.3	ng	288371	5	13.86	2496400	20.0
Benzo[e]pyrene	14.97	4.1	ng	224025	6	15.27	1092930	20.0