LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-33

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-BF040820.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	547	550	564	rVB	646747	602634	44.01%	2.850%
2	6.351	722	725	736	rBV	698720	640990	46.81%	3.031%
3	6.722	785	788	792	rBV	1083499	831452	60.72%	3.932%
4	6.875	811	814	818	rBV	609218	533273	38.94%	2.522%
5	7.281	880	883	890	rBV	485545	411003	30.02%	1.944%
6	8.010	1003	1007	1010	rBV	1356241	1089693	79.58%	5.153%
7	8.722	1125	1128	1131	rVB2	22390	17113	1.25%	0.081%
8	9.086	1186	1190	1193	rBV	1106067	824839	60.24%	3.900%
9	9.422	1244	1247	1250	rBV2	14952	14912	1.09%	0.071%
10	9.480	1254	1257	1262	rVB	36731	34453	2.52%	0.163%
11	9.622	1279	1281	1284	rBV	35036	29234	2.13%	0.138%
12	9.763	1301	1305	1309	rBV	1335773	1115161	81.44%	5.273%
13	9.798	1309	1311	1315	rVB	61039	49518	3.62%	0.234%
14	9.969	1337	1340	1343	rBV	43074	34614	2.53%	0.164%
15	10.310	1396	1398	1402	rVB	68179	55232	4.03%	0.261%
16	10.469	1423	1425	1431	rVB2	23203	20330	1.48%	0.096%
17	10.551	1435	1439	1444	rVV	654575	549581	40.14%	2.599%
18	10.680	1458	1461	1464	rBV5	17393	18744	1.37%	0.089%
19	10.857	1489	1491	1494	rVB2	22455	20714	1.51%	0.098%
20	11.010	1515	1517	1519	rVB	28532	21215	1.55%	0.100%
21	11.057	1522	1525	1528	rVB	33502	31823	2.32%	0.150%
22	11.104	1528	1533	1535	rBV4	23981	33595	2.45%	0.159%
23	11.145	1538	1540	1547	rVB	58208	58193	4.25%	0.275%
24	11.251	1554	1558	1560	rBV	1261203	1083088	79.10%	5.122%
25	11.274	1560	1562	1565	rVV	940026	708909	51.77%	3.352%
26	11.321	1565	1570	1574	rVB	250419	215962	15.77%	1.021%
27	11.357	1574	1576	1580	rBV2	31787	38912	2.84%	0.184%
28	11.427	1585	1588	1591	rVB	50906	38831	2.84%	0.184%
29	11.480	1592	1597	1600	rBV2	93858	86125	6.29%	0.407%
30	11.521	1600	1604	1606	rVV3	23825	33151	2.42%	0.157%
31	11.551	1606	1609	1611	rVB3	28993	23139	1.69%	0.109%
32	11.580	1611	1614	1616	rBV3	25721	20762	1.52%	0.098%
33	11.663	1626	1628	1633	rVB5	15739	16587	1.21%	0.078%
34	11.751	1639	1643	1645	rBV	136551	118373	8.64%	0.560%

LSC Area Percent Report

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Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-33

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.780	1645	1648	1653	rVV	303500	295130	21.55%	1.396%
36	11.827	1653	1656	1658	rVV2	84269	77289	5.64%	0.365%
37	11.863	1658	1662	1664	rVV	220699	231150	16.88%	1.093%
38	11.886	1664	1666	1670	rVB	103692	89531	6.54%	0.423%
39	11.933	1671	1674	1676	rBV3	14539	19555	1.43%	0.092%
40	11.963	1676	1679	1681	rVV4	40694	44563	3.25%	0.211%
41	11.986	1681	1683	1687	rVV4	23928	31237	2.28%	0.148%
42	12.051	1691	1694	1695	rVV	90897	85313	6.23%	0.403%
43	12.068	1695	1697	1701	rVB3	70888	68384	4.99%	0.323%
44	12.198	1717	1719	1722	rVB	46586	39493	2.88%	0.187%
45	12.227	1722	1724	1726	rBV	31917	27301	1.99%	0.129%
46	12.251	1726	1728	1731	rVB2	31517	23560	1.72%	0.111%
47	12.304	1734	1737	1739	rBV	78537	85700	6.26%	0.405%
48	12.386	1749	1751	1756	rVB3	59345	65751	4.80%	0.311%
49	12.463	1760	1764	1768	rBV	1348018	1114685	81.40%	5.271%
50	12.510	1768	1772	1778	rVB5	52718	73633	5.38%	0.348%
51	12.574	1778	1783	1785	rBV2	56135	78074	5.70%	0.369%
52	12.668	1795	1799	1801	rBV3	381385	488874	35.70%	2.312%
53	12.692	1801	1803	1806	rVV	1106345	873861	63.82%	4.132%
54	12.721	1806	1808	1810	rVV2	46958	49049	3.58%	0.232%
55	12.745	1810	1812	1816	rVB3	81443	76120	5.56%	0.360%
56	12.810	1820	1823	1825	rBV	69968	73530	5.37%	0.348%
57	12.839	1825	1828	1835	rVB	1184319	1041642	76.07%	4.926%
58	12.910	1836	1840	1843	rBV2	81586	117269	8.56%	0.555%
59	12.998	1852	1855	1856	rBV3	53774	50326	3.68%	0.238%
60	13.021	1856	1859	1863	rVB	179951	158717	11.59%	0.751%
61	13.086	1866	1870	1873	rBV2	152412	134880	9.85%	0.638%
62	13.121	1873	1876	1879	rBV	128644	139079	10.16%	0.658%
63	13.215	1889	1892	1895	rVB	69726	55869	4.08%	0.264%
64	13.245	1895	1897	1901	rBV	66431	56854	4.15%	0.269%
65	13.327	1908	1911	1916	rVB4	104952	99954	7.30%	0.473%
66	13.374	1916	1919	1922	rBV	165121	153589	11.22%	0.726%
67	13.421	1925	1927	1929	rBV2	64146	54057	3.95%	0.256%
68	13.527	1943	1945	1950	rVB	77983	83477	6.10%	0.395%
69	13.639	1960	1964	1966	rBV3	92088	103832	7.58%	0.491%
70	13.668	1966	1969	1971	rVV	74309	64369	4.70%	0.304%
71	13.692	1971	1973	1974	rVV	52813	42451	3.10%	0.201%

LSC Area Percent Report

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Sample : L2230-37 5X
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
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.733	1978	1980	1982	rBV	57566	49662	3.63%	0.235%
73	13.892	1999	2007	2009	rBV2	981541	1369320	100.00%	6.475%
74	13.915	2009	2011	2014	rVB	477199	363765	26.57%	1.720%
75	13.998	2022	2025	2027	rVB	83998	72882	5.32%	0.345%
76	14.068	2035	2037	2041	rVB3	60701	64365	4.70%	0.304%
77	14.280	2070	2073	2075	rVB	92431	88963	6.50%	0.421%
78	14.309	2076	2078	2082	rVB	69453	62336	4.55%	0.295%
79	14.374	2086	2089	2091	rVB2	91405	79442	5.80%	0.376%
80	14.404	2091	2094	2095	rBV2	50711	50167	3.66%	0.237%
81	14.909	2176	2180	2189	rVB	436841	811170	59.24%	3.836%
82	15.198	2225	2229	2234	rVB	260432	333531	24.36%	1.577%
83	15.256	2235	2239	2245	rVV	403487	464083	33.89%	2.195%
84	15.315	2245	2249	2252	rVV	566224	685633	50.07%	3.242%
85	15.345	2252	2254	2260	rVB3	151695	225546	16.47%	1.067%
86	15.774	2324	2327	2330	rVB	64677	70996	5.18%	0.336%
87	16.703	2480	2485	2493	rVB2	169543	325678	23.78%	1.540%
88	17.115	2550	2555	2564	rVB	125681	239401	17.48%	1.132%

Sum of corrected areas: 21147243

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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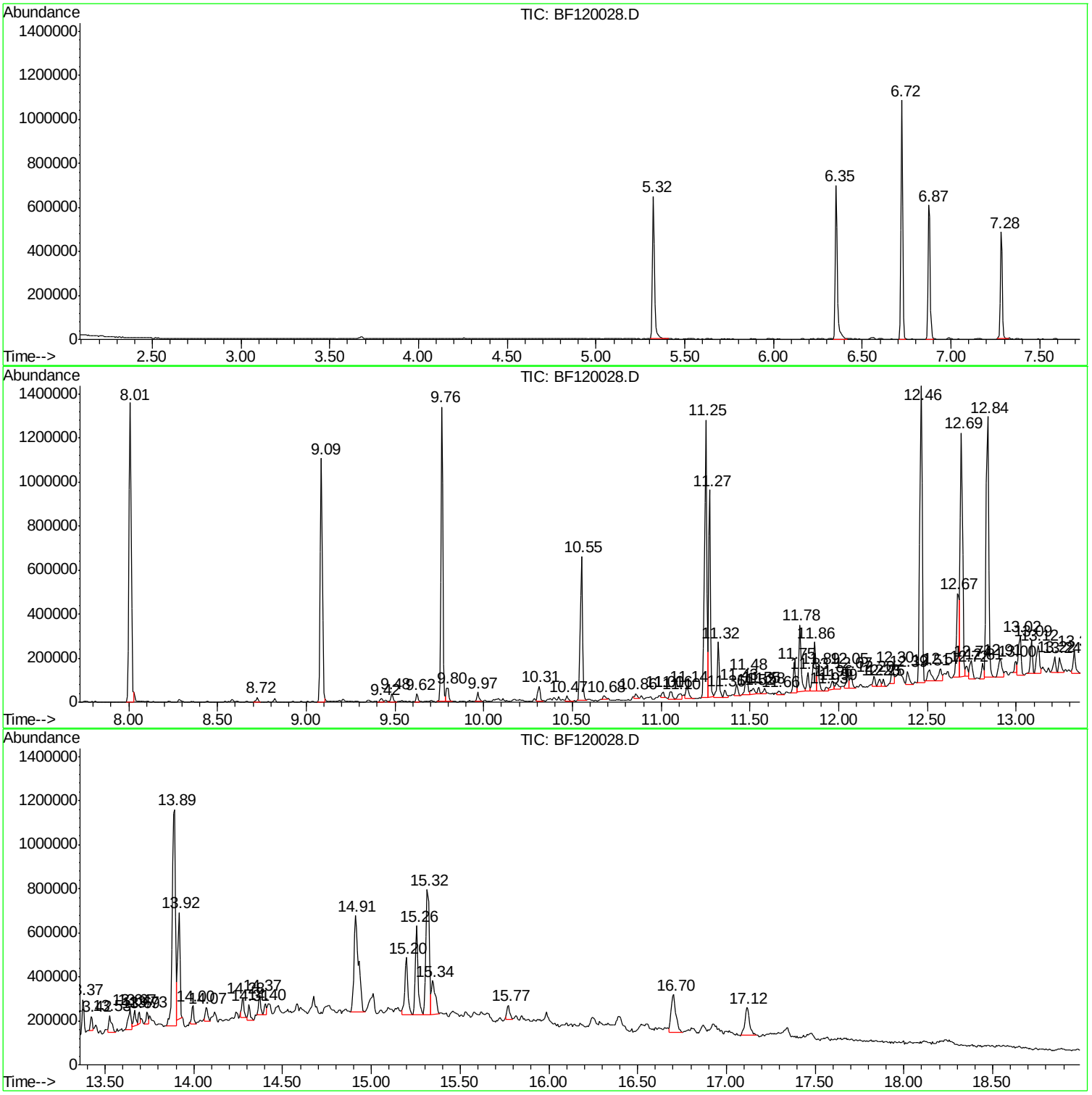
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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\BF041620\
Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

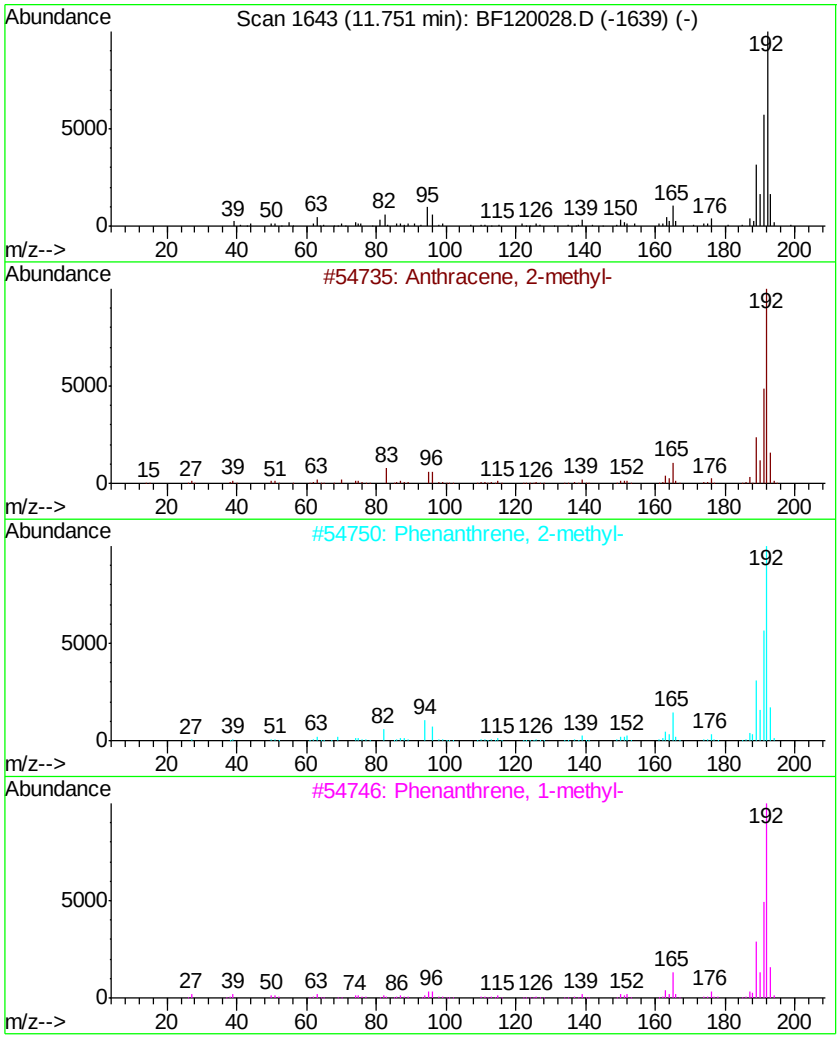
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

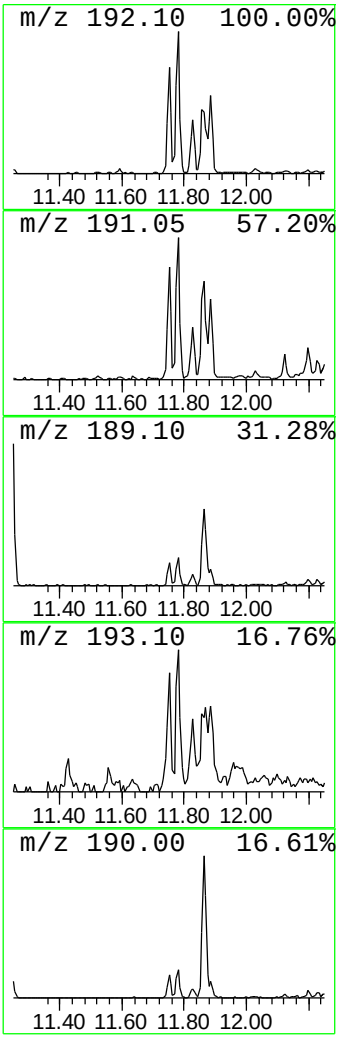
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.19 ng	118373	Phenanthrene-d10	11.25

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

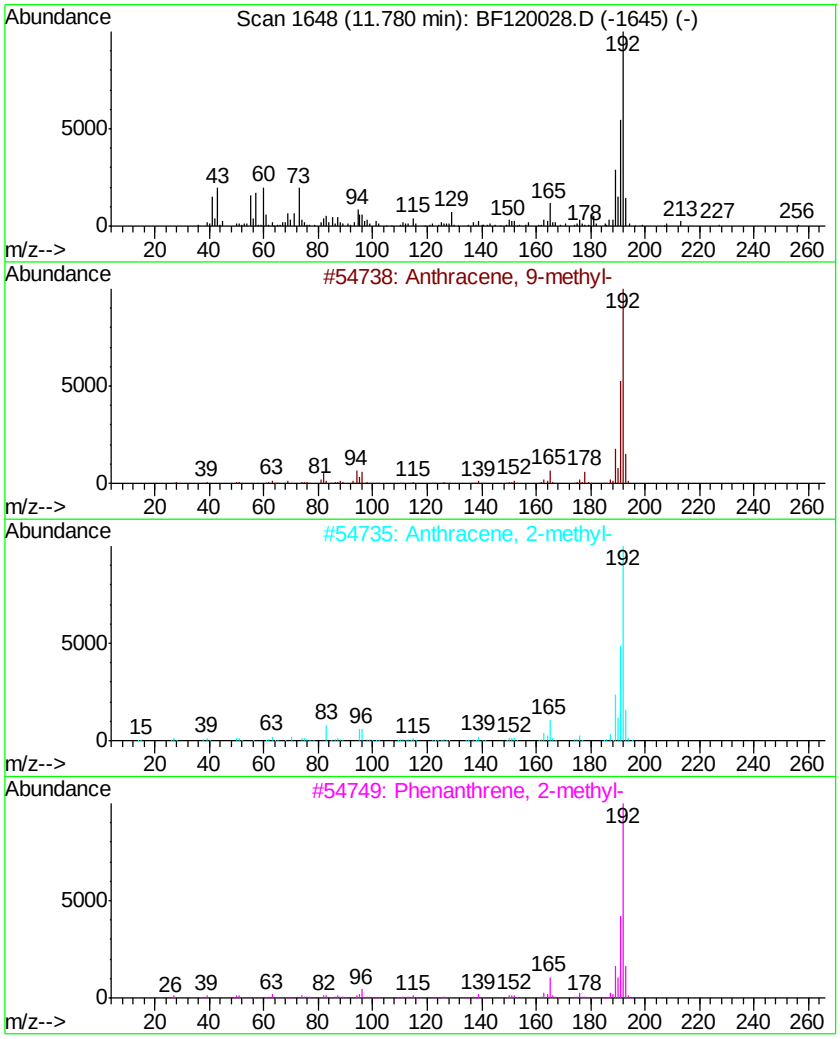
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

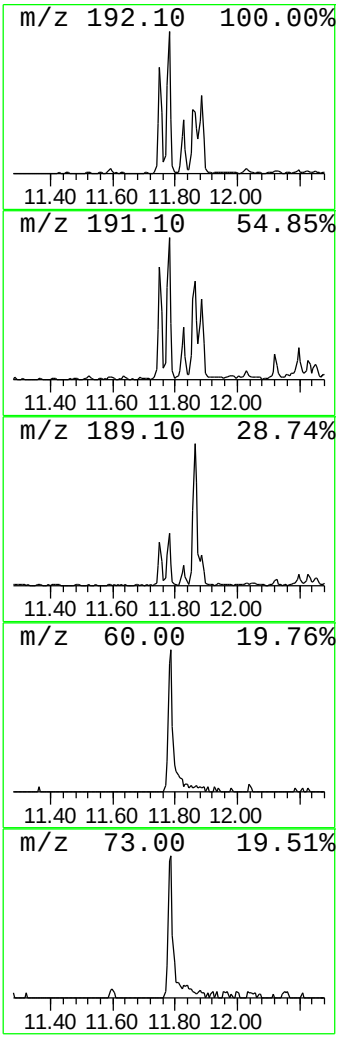
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	5.45 ng	295130	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Sample : L2230-37 5X
Misc :
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Instrument : BNA_F
ClientSampleId : TP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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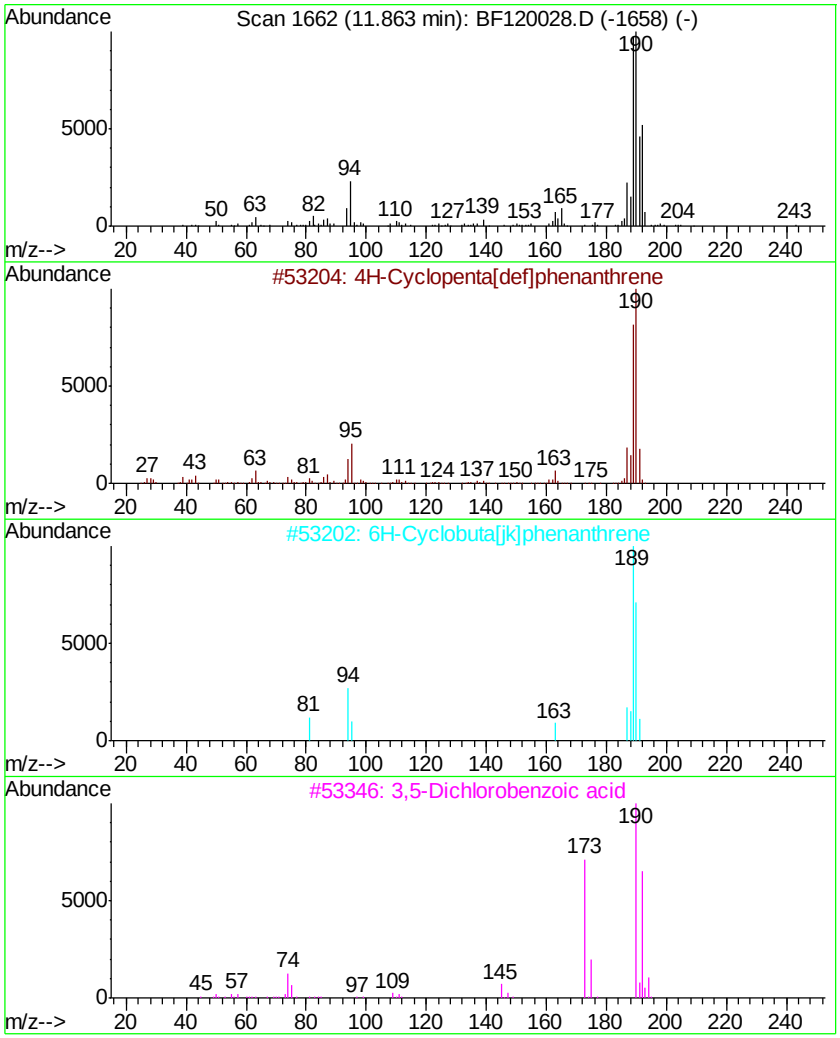
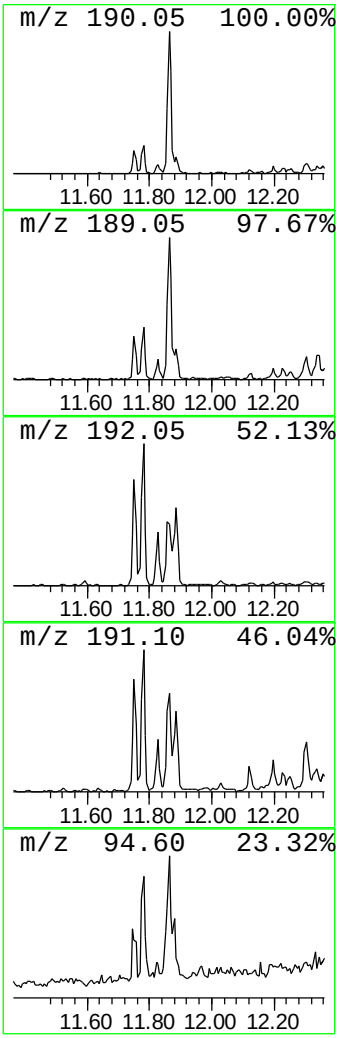
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.27 ng	231150	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
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Instrument : BNA_F
ClientSampleId : TP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

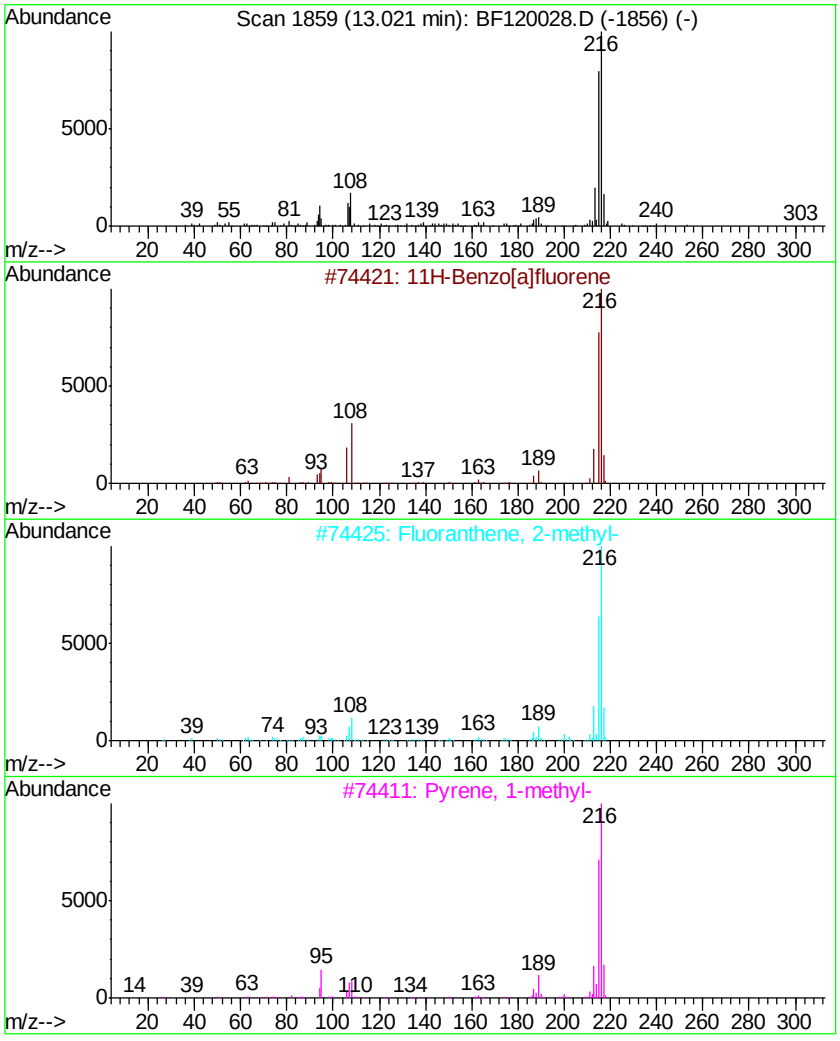
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

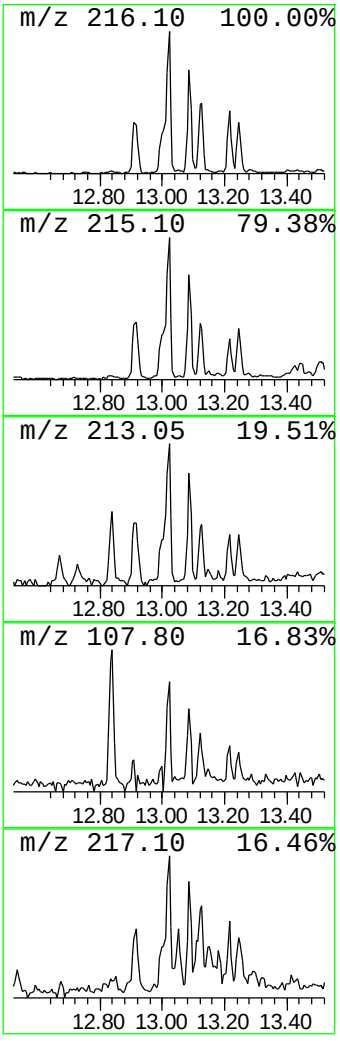
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.32 ng	158717	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72





Library Search Compound Report

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Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
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Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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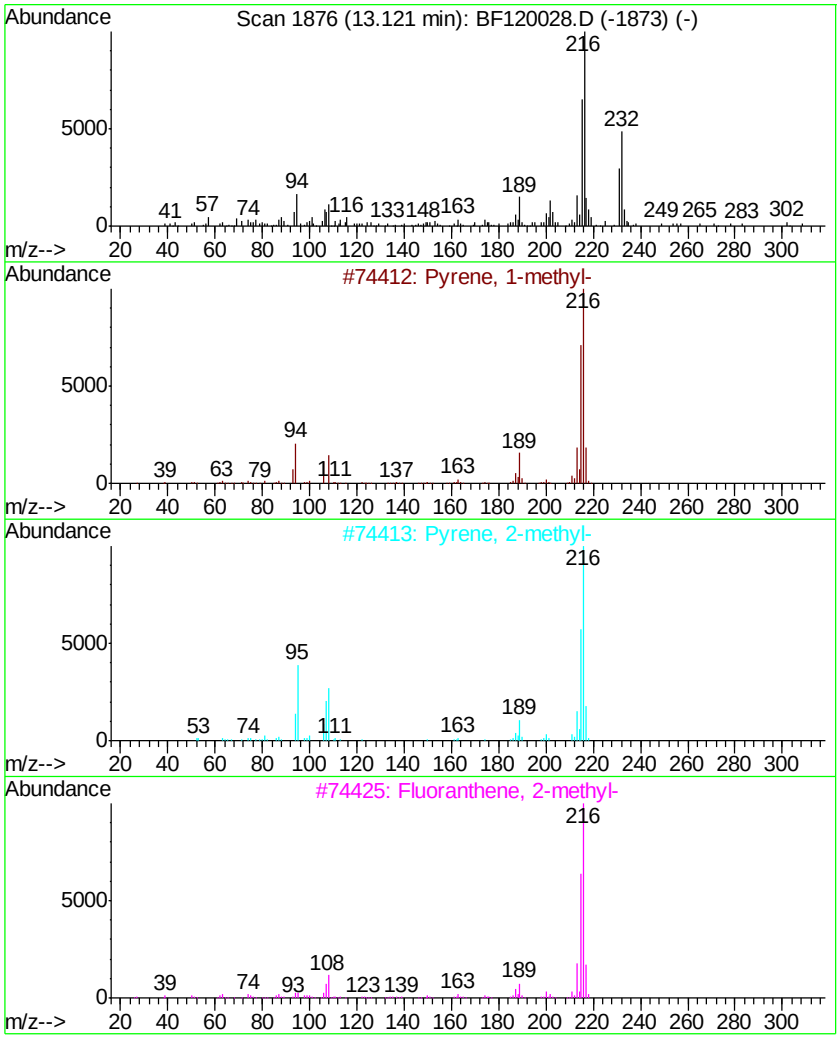
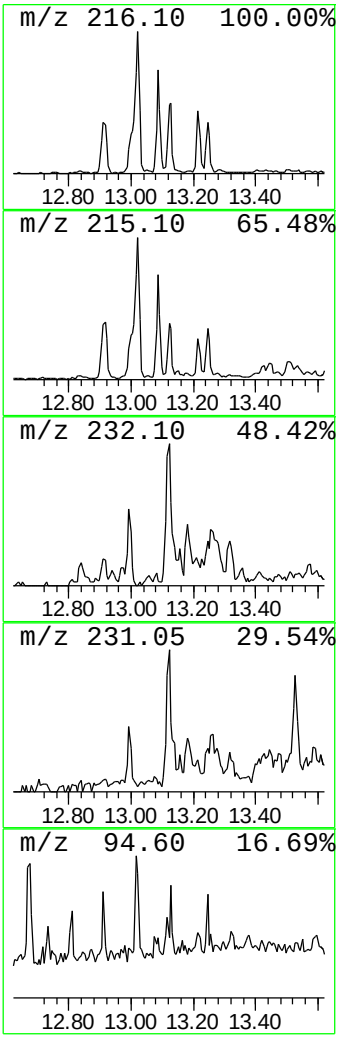
Peak Number 6 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.03 ng	139079	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
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Instrument : BNA_F
ClientSampleId : TP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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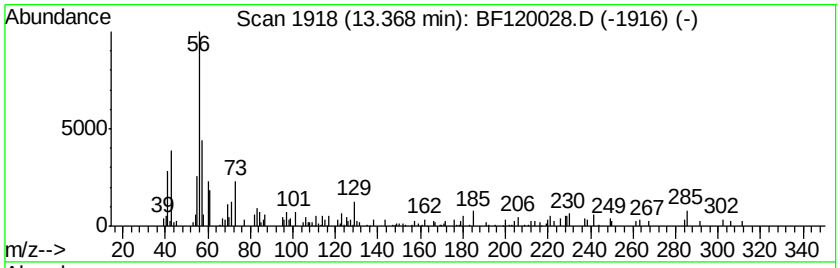
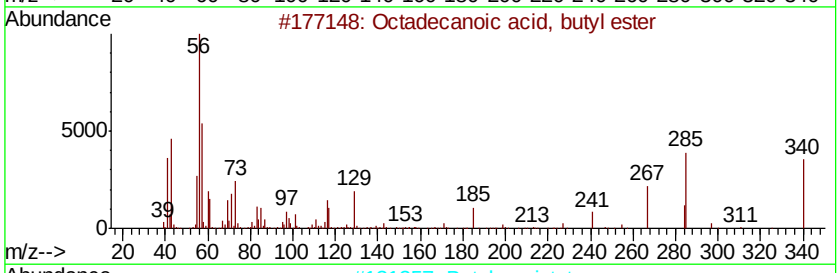
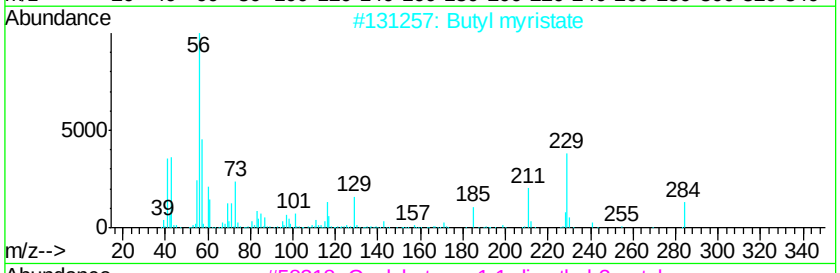
Peak Number 7 Octadecanoic acid, butyl ester Concentration Rank 6

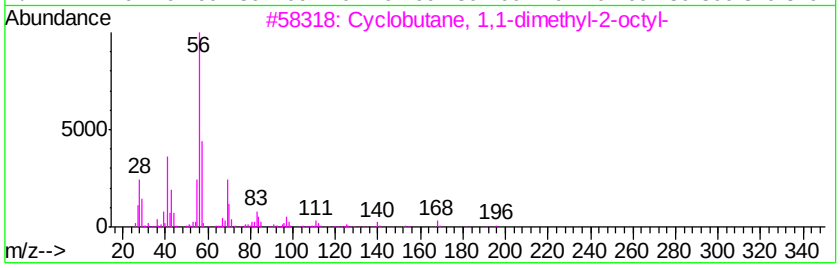
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.24 ng	153589	Chrysene-d12	13.89

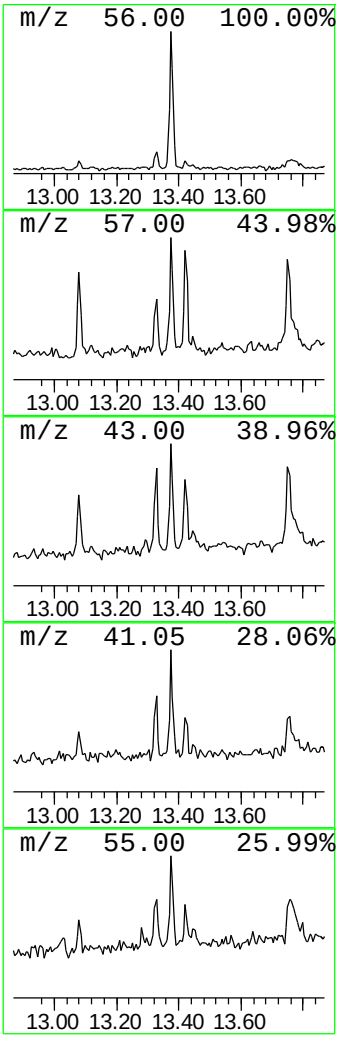
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	91
2	Butyl myristate	284	C18H36O2	000110-36-1	80
3	Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	43
4	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	040482-05-1	43
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	35











Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

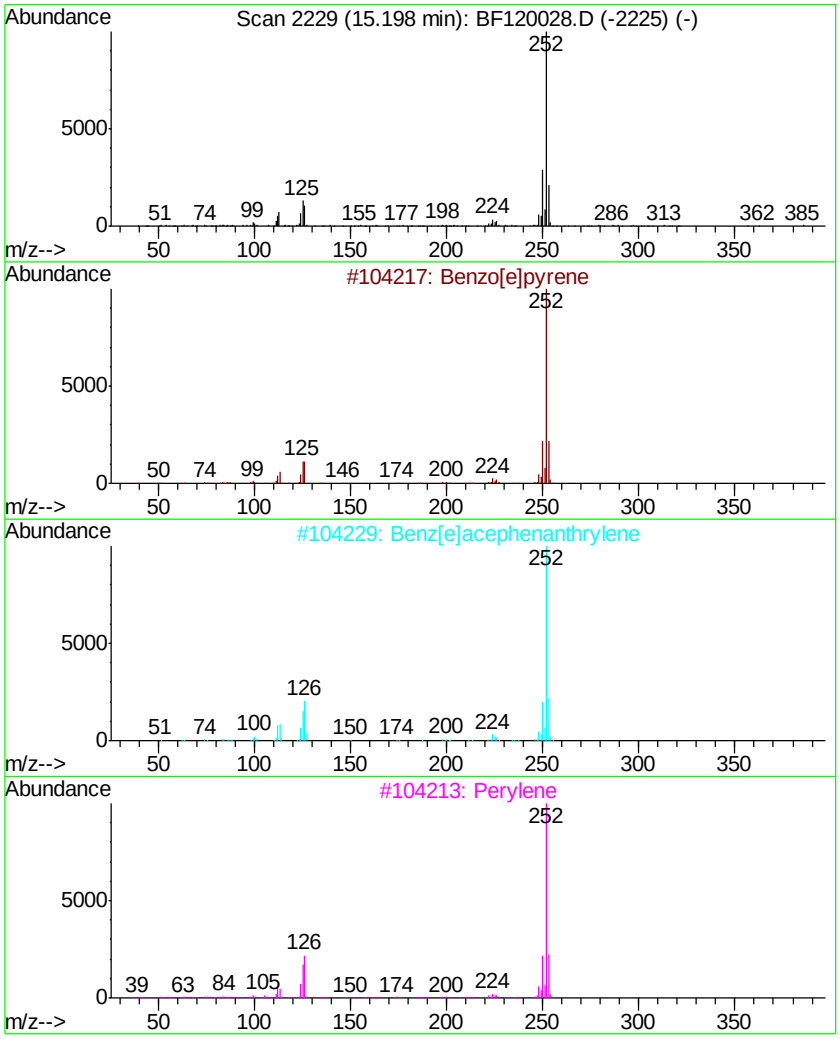
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

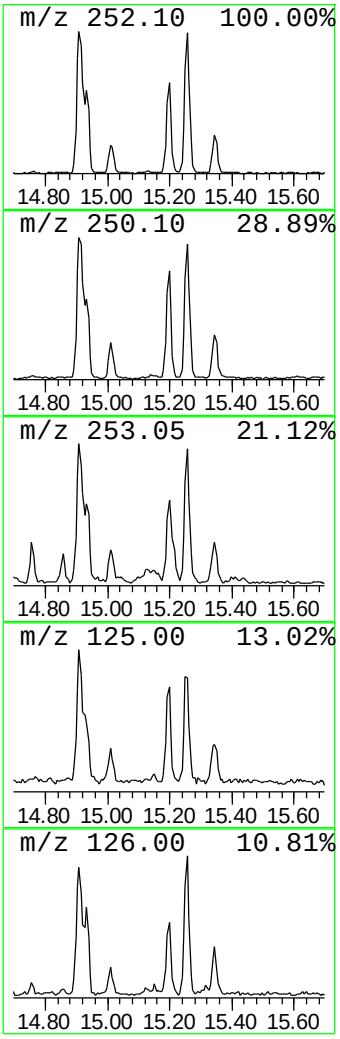
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	9.73 ng	333531	Perylene-d12	15.32

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	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

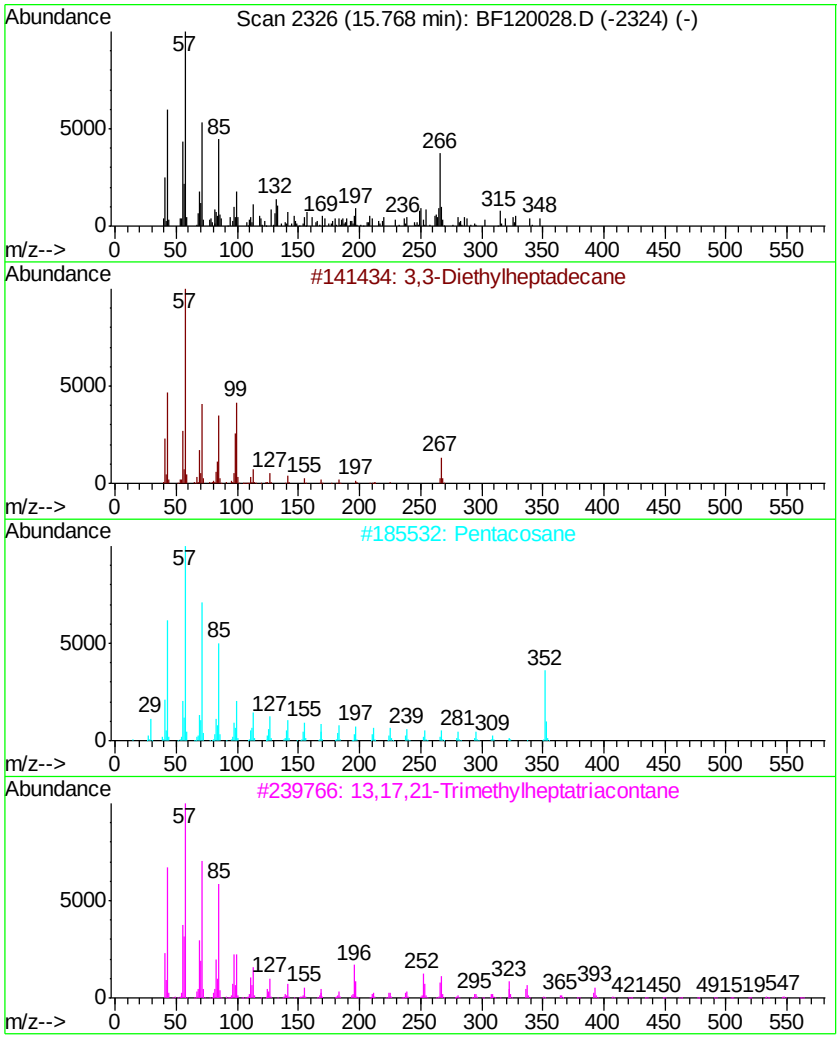
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

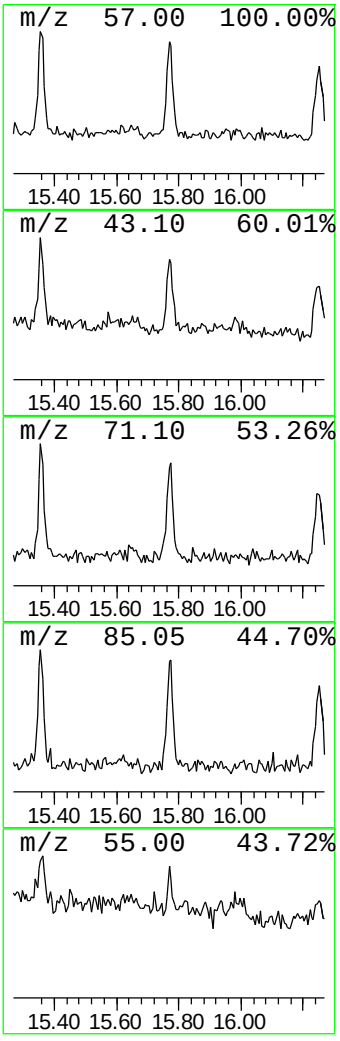
****

Peak Number 9 unknown15.77 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	2.07 ng	70996	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3-Diethylheptadecane	296	C21H44	1000360-41-6	38
2	Pentacosane	352	C25H52	000629-99-2	32
3	13,17,21-Trimethylheptatriacontane	563	C40H82	058668-40-9	32
4	5-Methyldocosane	324	C23H48	025163-52-4	28
5	Tetracosane, 3-ethyl-	366	C26H54	055282-17-2	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041620\
Data File : BF120028.D
Acq On : 16 Apr 2020 11:40
Operator : MA/SJ
Sample : L2230-37 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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
Anthracene, 2-met...	11.75	2.2	ng	118373	4	11.25	1083090	20.0
Anthracene, 9-met...	11.78	5.5	ng	295130	4	11.25	1083090	20.0
4H-Cyclopenta[def...	11.86	4.3	ng	231150	4	11.25	1083090	20.0
11H-Benzo[a]fluorene	13.02	2.3	ng	158717	5	13.89	1369320	20.0
Pyrene, 1-methyl-	13.12	2.0	ng	139079	5	13.89	1369320	20.0
Octadecanoic acid...	13.37	2.2	ng	153589	5	13.89	1369320	20.0
Benzo[e]pyrene	15.20	9.7	ng	333531	6	15.32	685633	20.0
unknown15.77	15.77	2.1	ng	70996	6	15.32	685633	20.0