LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
Data File : BF114845.D
Acq On : 6 Jun 2019 3:30
Operator : HP/JU
Sample : K3163-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-060419-B

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-BF060419.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	5.269	536	541	544	rBV	3774853	3399866	78.68%	5.582%
2	6.304	712	717	720	rBV	4084623	3486386	80.68%	5.724%
3	6.434	735	739	743	rBV	4176746	3791096	87.73%	6.224%
4	6.669	775	779	783	rBV	2657449	2071240	47.93%	3.400%
5	6.828	802	806	809	rBV	3597287	2979340	68.95%	4.891%
6	7.228	870	874	877	rBV	2666813	2185053	50.57%	3.587%
7	7.951	993	997	1000	rBV	3519620	2687552	62.20%	4.412%
8	9.028	1176	1180	1183	rBV	4990157	4321126	100.00%	7.094%
9	9.363	1233	1237	1239	rBV	59842	56366	1.30%	0.093%
10	9.416	1243	1246	1250	rBV	701387	639221	14.79%	1.049%
11	9.557	1266	1270	1274	rBV	305486	252592	5.85%	0.415%
12	9.698	1290	1294	1298	rBV2	3474561	3010470	69.67%	4.942%
13	9.728	1298	1299	1303	rVB	90498	62783	1.45%	0.103%
14	9.904	1323	1329	1333	rBV	86583	100157	2.32%	0.164%
15	10.016	1343	1348	1351	rBV2	50336	68367	1.58%	0.112%
16	10.110	1359	1364	1368	rBV4	35391	67170	1.55%	0.110%
17	10.239	1383	1386	1393	rVB	176603	169248	3.92%	0.278%
18	10.481	1423	1427	1432	rBV	2687570	2459566	56.92%	4.038%
19	10.581	1441	1444	1447	rBV	430497	404597	9.36%	0.664%
20	10.786	1475	1479	1482	rBV2	70934	88674	2.05%	0.146%
21	10.916	1496	1501	1503	rBV2	51036	56168	1.30%	0.092%
22	11.028	1517	1520	1523	rBV2	43236	50544	1.17%	0.083%
23	11.069	1524	1527	1530	rVB	96041	85353	1.98%	0.140%
24	11.175	1541	1545	1547	rBV	3267724	2936290	67.95%	4.821%
25	11.198	1547	1549	1552	rVV	1301061	1036007	23.98%	1.701%
26	11.245	1552	1557	1560	rVV	378601	323244	7.48%	0.531%
27	11.286	1560	1564	1567	rVB2	50090	64746	1.50%	0.106%
28	11.398	1578	1583	1586	rBV2	74396	81289	1.88%	0.133%
29	11.504	1597	1601	1604	rVB3	95267	102978	2.38%	0.169%
30	11.586	1612	1615	1618	rVB	71270	71420	1.65%	0.117%
31	11.675	1627	1630	1632	rBV	309434	261334	6.05%	0.429%
32	11.698	1632	1634	1635	rVV	406244	324288	7.50%	0.532%
33	11.716	1635	1637	1640	rVV	588720	516977	11.96%	0.849%
34	11.745	1640	1642	1645	rVV	170073	158057	3.66%	0.259%

LSC Area Percent Report

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Acq On : 6 Jun 2019 3:30
Operator : HP/JU
Sample : K3163-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-060419-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.780	1645	1648	1651	rVV	538843	555355	12.85%	0.912%
36	11.804	1651	1652	1657	rVB	264035	170549	3.95%	0.280%
37	11.969	1677	1680	1681	rBV	181619	147297	3.41%	0.242%
38	11.986	1681	1683	1687	rVB2	129824	125389	2.90%	0.206%
39	12.116	1703	1705	1708	rVB	78756	58875	1.36%	0.097%
40	12.145	1708	1710	1712	rBV	99066	86100	1.99%	0.141%
41	12.169	1712	1714	1717	rVB2	97371	79680	1.84%	0.131%
42	12.222	1719	1723	1726	rBV	284294	287965	6.66%	0.473%
43	12.257	1726	1729	1731	rBV	148821	166078	3.84%	0.273%
44	12.298	1734	1736	1742	rVB3	155376	206016	4.77%	0.338%
45	12.380	1746	1750	1753	rBV	2205471	2042456	47.27%	3.353%
46	12.427	1755	1758	1763	rBV3	85326	163883	3.79%	0.269%
47	12.469	1763	1765	1768	rBV	230225	178347	4.13%	0.293%
48	12.498	1768	1770	1773	rBV2	157900	182867	4.23%	0.300%
49	12.604	1783	1788	1791	rBV	2547059	2355032	54.50%	3.866%
50	12.651	1794	1796	1798	rVV	62739	49630	1.15%	0.081%
51	12.722	1806	1808	1810	rBV	143077	129067	2.99%	0.212%
52	12.751	1810	1813	1817	rVV	4010914	3899216	90.24%	6.401%
53	12.827	1823	1826	1829	rVB	203646	198478	4.59%	0.326%
54	12.910	1837	1840	1842	rBV3	204965	262733	6.08%	0.431%
55	12.933	1842	1844	1847	rVB	454619	362989	8.40%	0.596%
56	12.998	1852	1855	1858	rVV	298062	256000	5.92%	0.420%
57	13.033	1858	1861	1865	rVV	352569	329197	7.62%	0.540%
58	13.127	1874	1877	1879	rVB	215509	175911	4.07%	0.289%
59	13.157	1879	1882	1886	rBV	226897	199218	4.61%	0.327%
60	13.433	1927	1929	1934	rVB	155233	163311	3.78%	0.268%
61	13.545	1945	1948	1951	rBV2	196273	233229	5.40%	0.383%
62	13.574	1951	1953	1955	rVV	181092	124340	2.88%	0.204%
63	13.663	1965	1968	1975	rVB2	607753	690257	15.97%	1.133%
64	13.798	1986	1991	1993	rBV2	2834980	3648130	84.43%	5.989%
65	13.821	1993	1995	1998	rVB	1008221	783407	18.13%	1.286%
66	14.798	2157	2161	2163	rBV	726967	1028763	23.81%	1.689%
67	14.892	2175	2177	2184	rVB	389072	429845	9.95%	0.706%
68	15.068	2204	2207	2212	rVB	492043	544343	12.60%	0.894%
69	15.121	2213	2216	2220	rBV	630199	702685	16.26%	1.154%
70	15.186	2223	2227	2230	rBV	1298588	1525395	35.30%	2.504%

LSC Area Percent Report

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Sample : K3163-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-060419-B

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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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 60911598

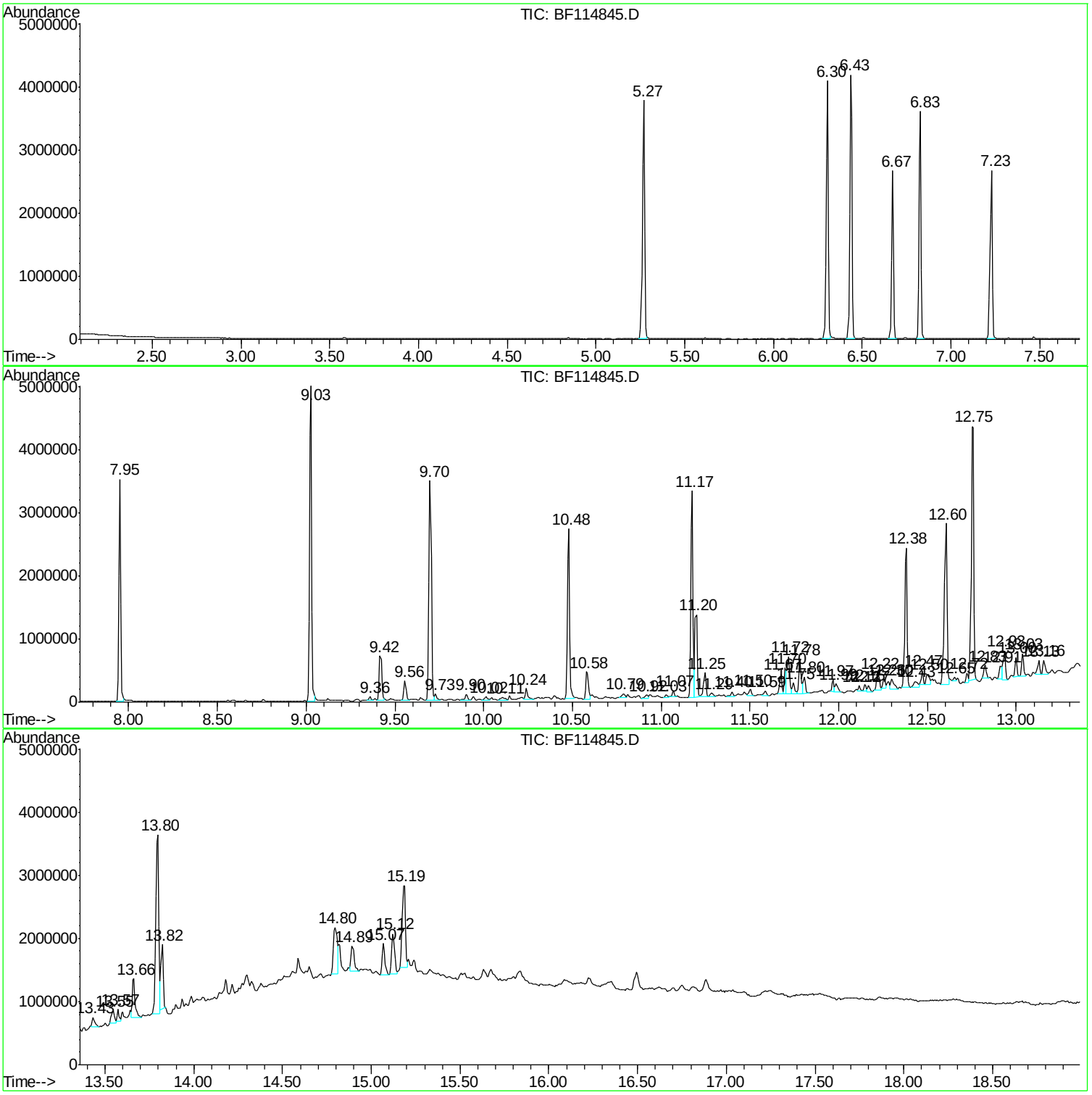
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
Data File : BF114845.D
Acq On : 6 Jun 2019 3:30
Operator : HP/JU
Sample : K3163-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-060419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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\BF060519\
Data File : BF114845.D
Acq On : 6 Jun 2019 3:30
Operator : HP/JU
Sample : K3163-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-060419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

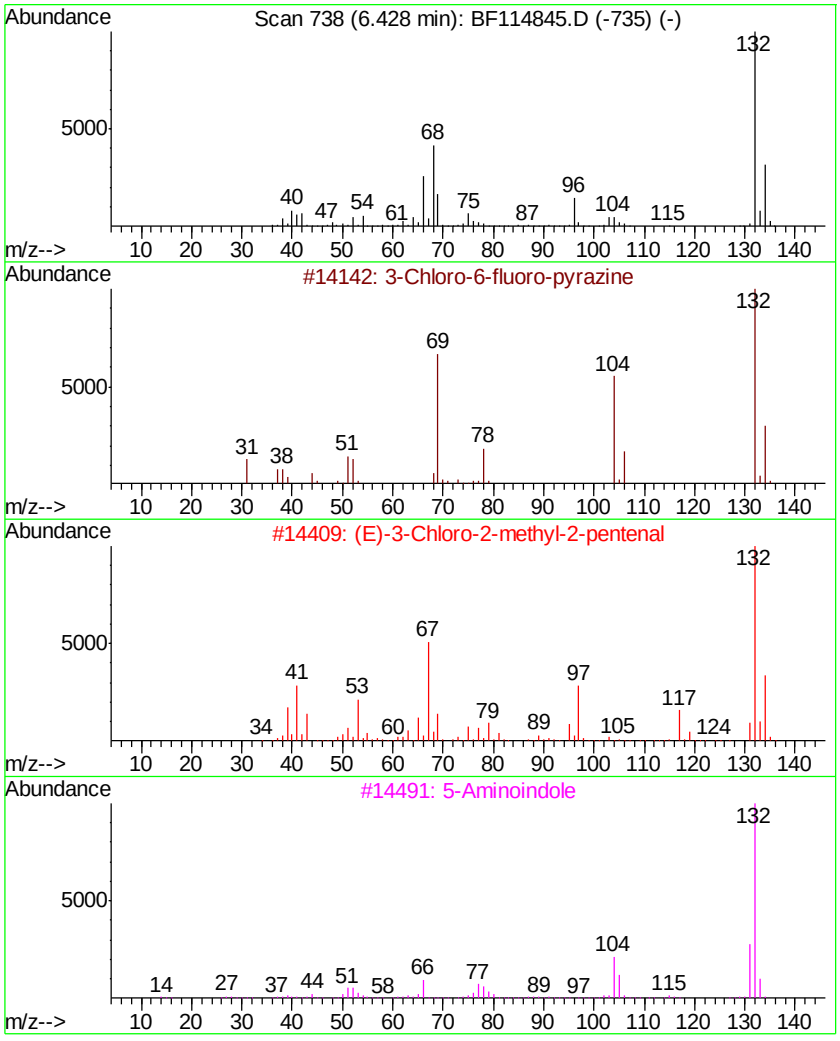
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

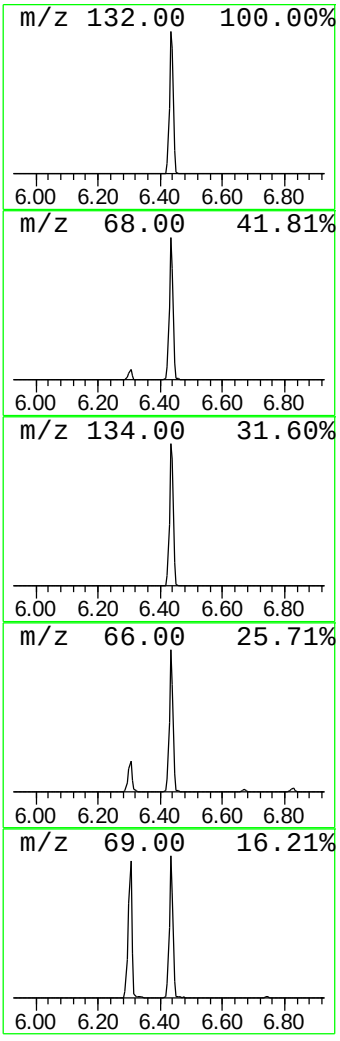
****

Peak Number 1 unknown6.43 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	36.61 ng	3791100	1,4-Dichlorobenzene-d4	6.67

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	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
Data File : BF114845.D
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Sample : K3163-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-060419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

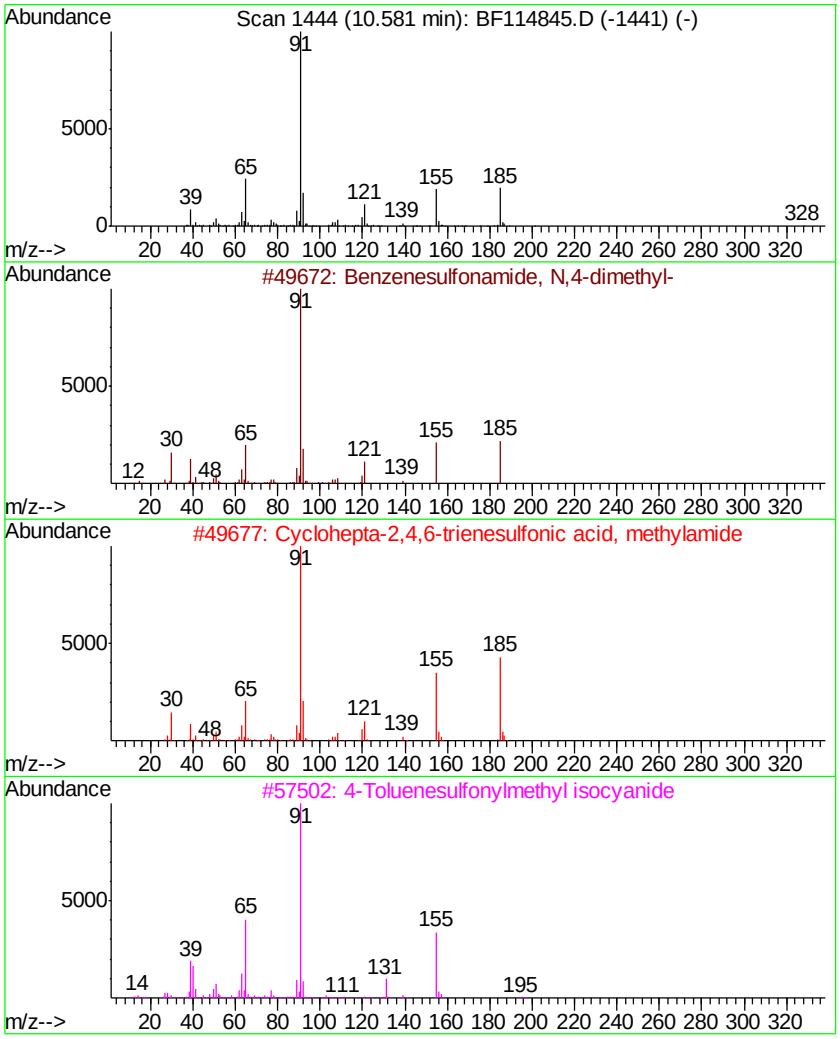
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

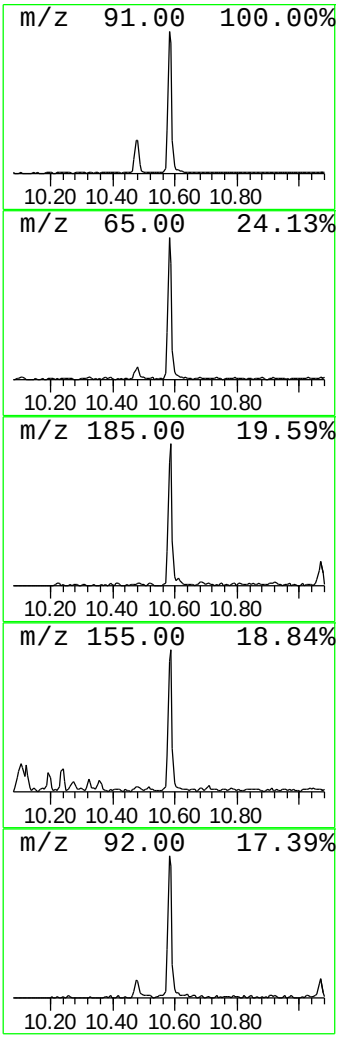
****

Peak Number 3 Benzenesulfonamide, N,4-dim... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	2.76 ng	404597	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, N,4-dimethyl-	185	C8H11NO2S	000640-61-9	93
2	Cyclohepta-2,4,6-trienesulfonic ...	185	C8H11NO2S	1000187-28-7	70
3	4-Toluenesulfonylmethyl isocyanide	195	C9H9NO2S	036635-61-7	47
4	p-Toluenesulfonylacetonitrile	195	C9H9NO2S	005697-44-9	47
5	(O-p-Tosylisonitroso)malononitrile	249	C10H7N3O3S	020893-01-0	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
Data File : BF114845.D
Acq On : 6 Jun 2019 3:30
Operator : HP/JU
Sample : K3163-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-060419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

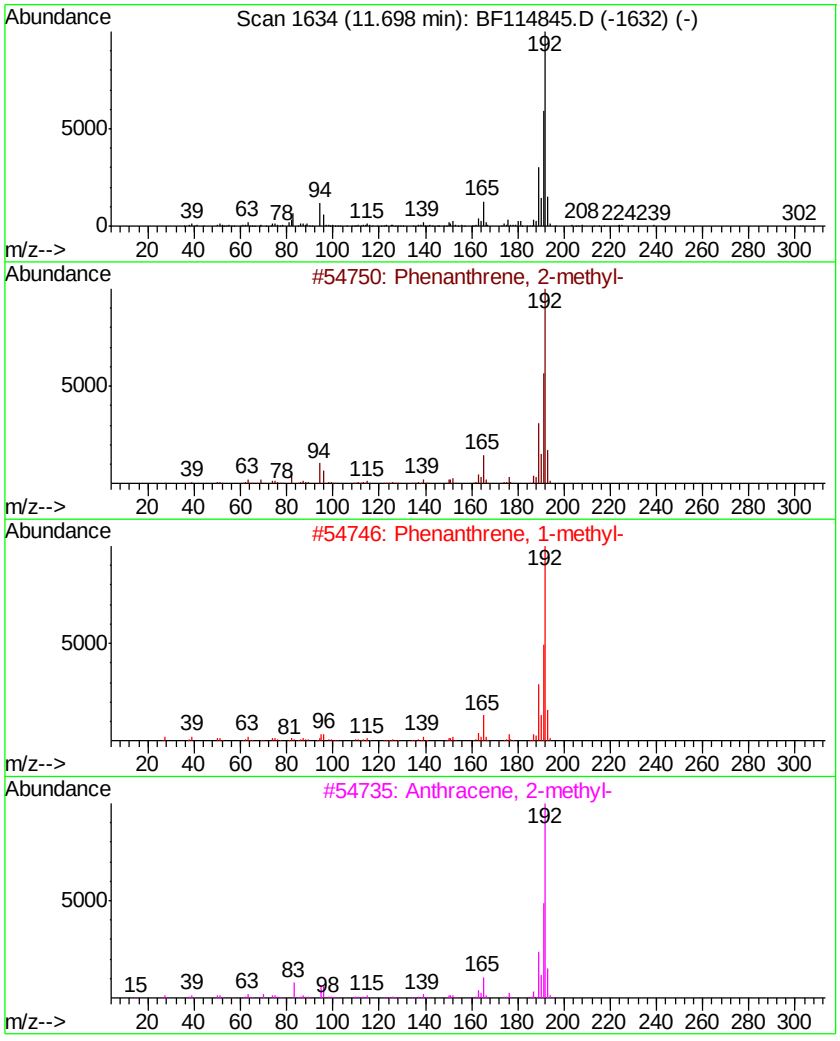
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

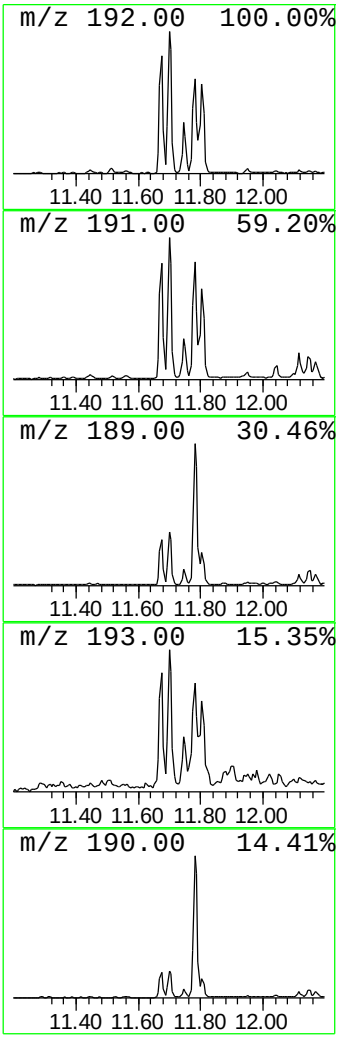
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	2.21 ng	324288	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SU-02-060419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

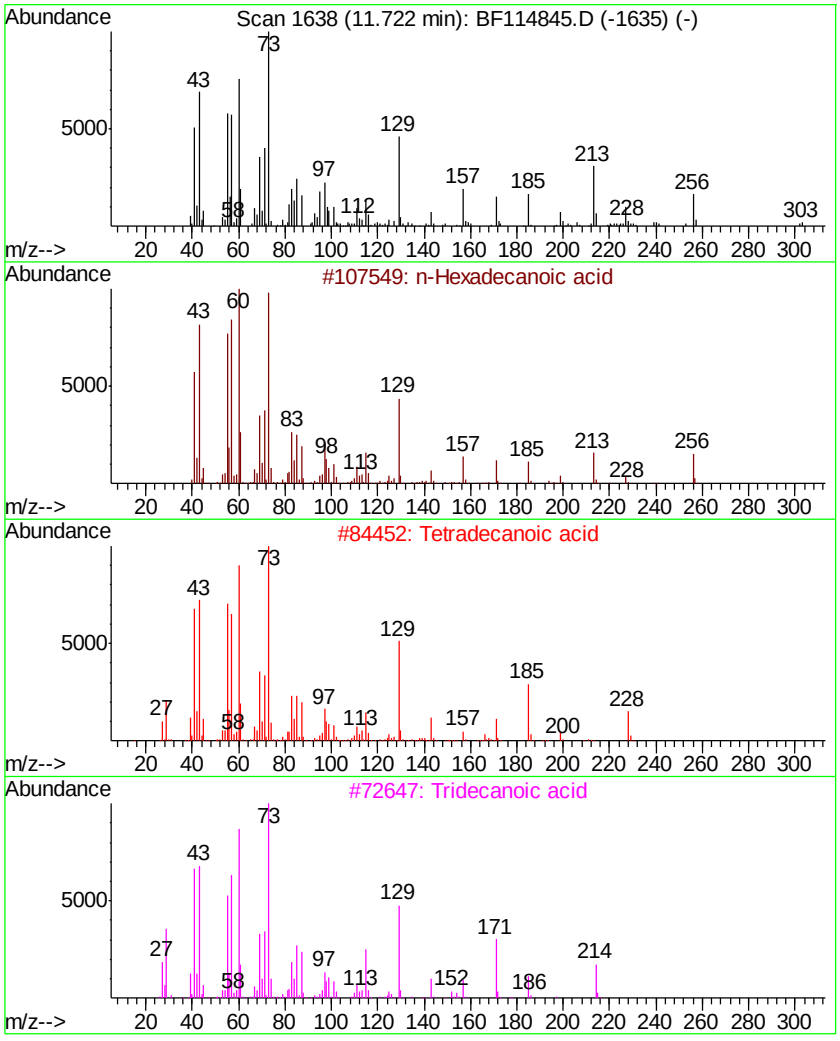
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

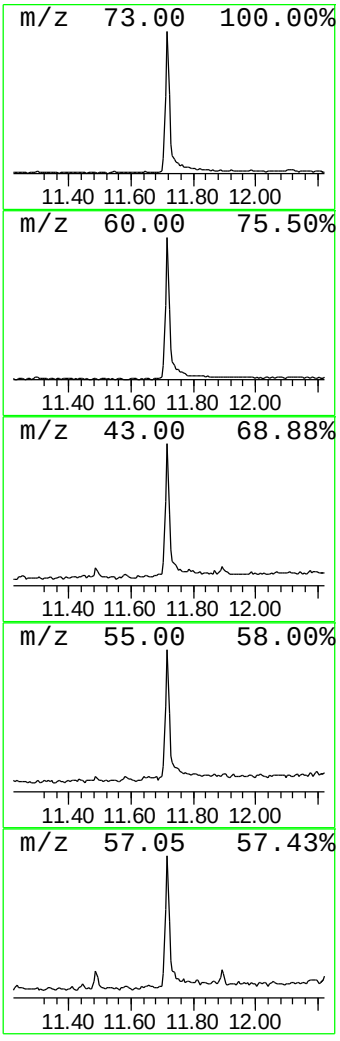
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	3.52 ng	516977	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	58





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Sample : K3163-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-060419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

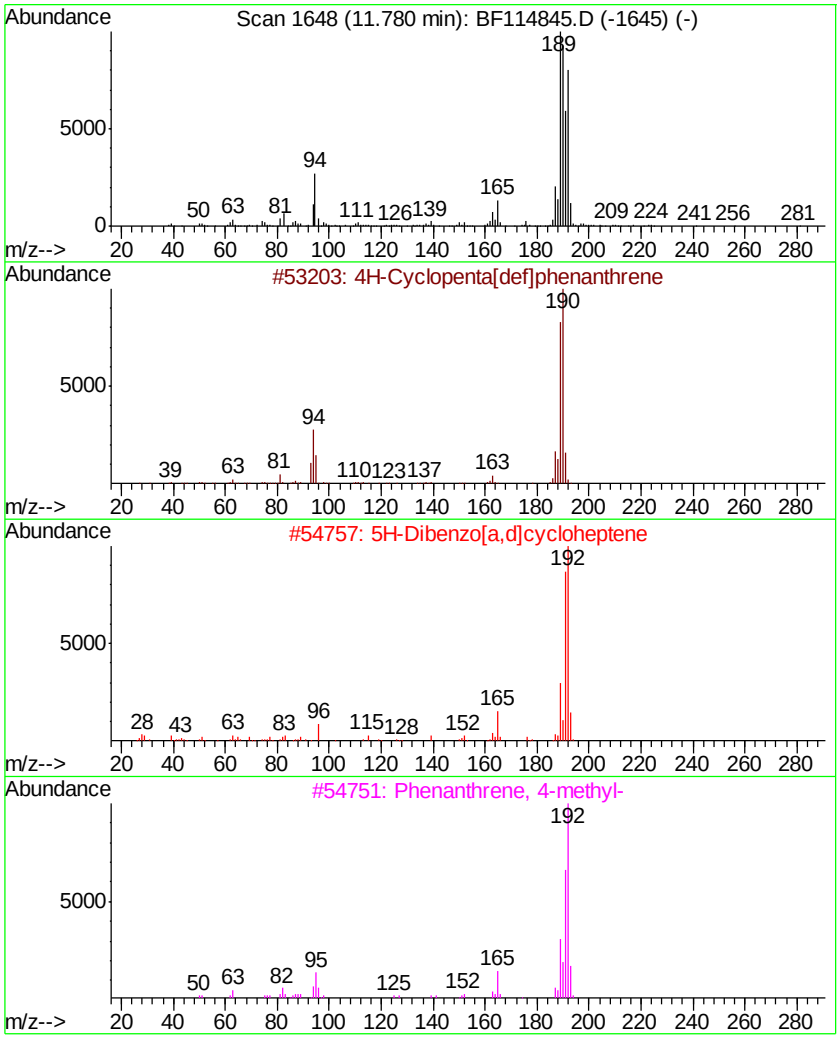
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

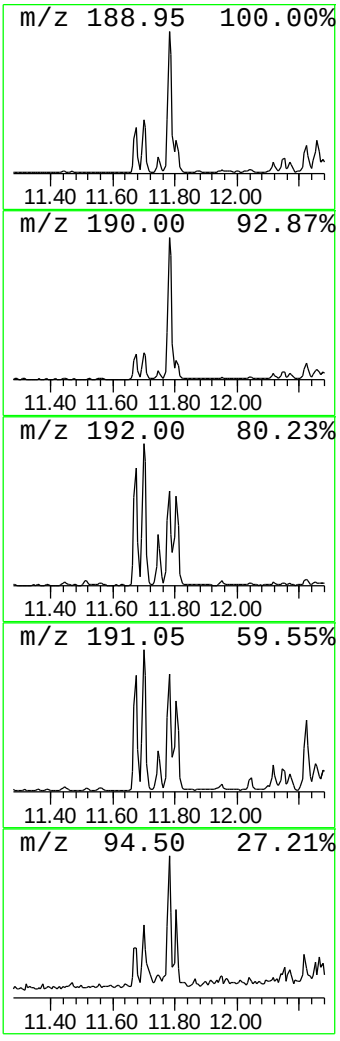
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	3.78 ng	555355	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





Library Search Compound Report

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Data File : BF114845.D
Acq On : 6 Jun 2019 3:30
Operator : HP/JU
Sample : K3163-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-060419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

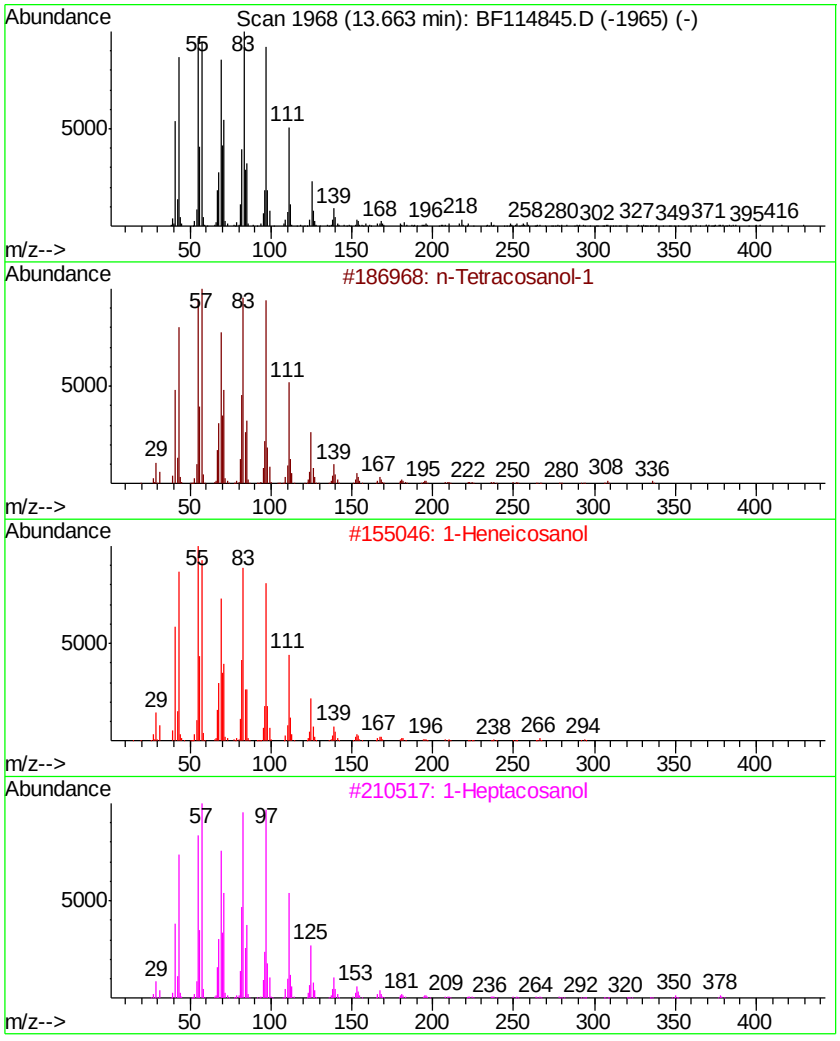
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

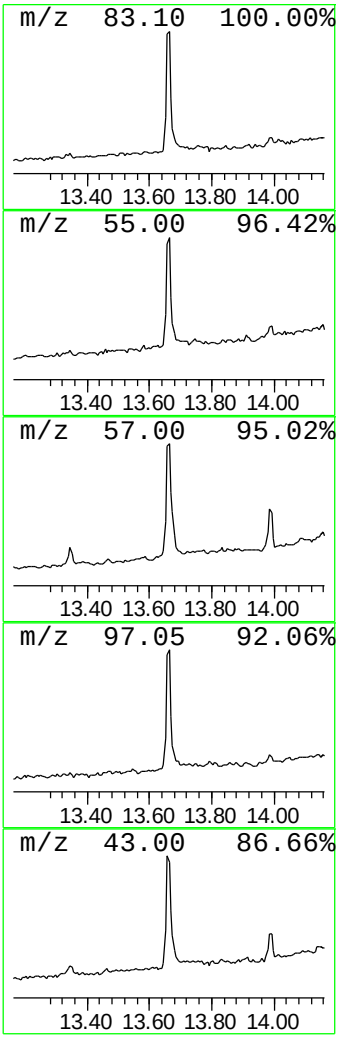
****

Peak Number 7 n-Tetracosanol-1 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	3.78 ng	690257	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	94
3	1-Heptacosanol	396	C27H56O	002004-39-9	94
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
5	Behenic alcohol	326	C22H46O	000661-19-8	94





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Data File : BF114845.D
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Sample : K3163-03 2X
Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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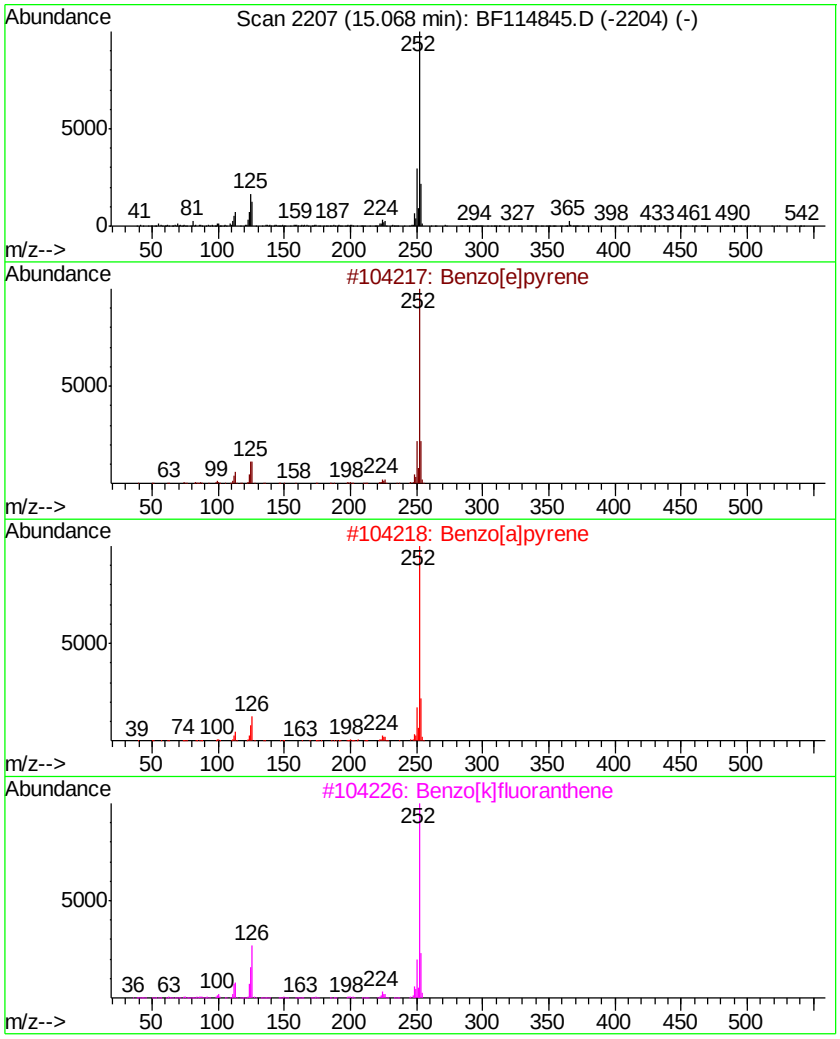
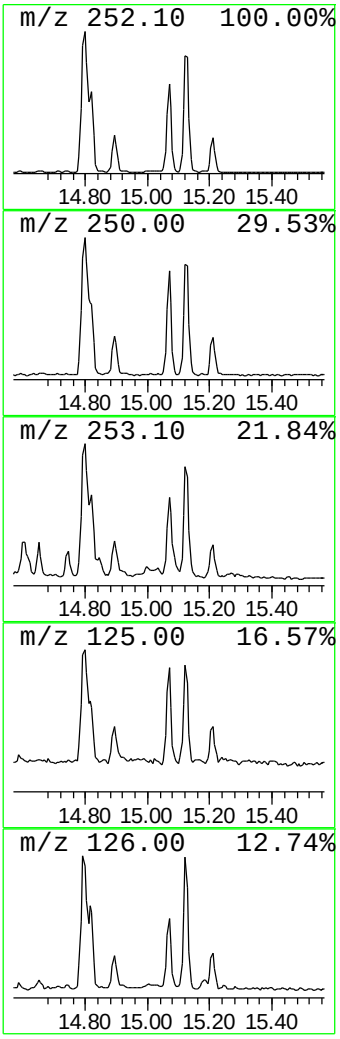
Peak Number 9 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	7.14 ng	544343	Perylene-d12	15.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Perylene	252	C20H12	000198-55-0	89
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060519\
Data File : BF114845.D
Acq On : 6 Jun 2019 3:30
Operator : HP/JU
Sample : K3163-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-060419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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
unknown6.43	6.43	36.6	ng	3791100	1	6.67	2071240	20.0
Benzenesulfonamid...	10.58	2.8	ng	404597	4	11.17	2936290	20.0
Phenanthrene, 2-m...	11.70	2.2	ng	324288	4	11.17	2936290	20.0
n-Hexadecanoic acid	11.72	3.5	ng	516977	4	11.17	2936290	20.0
4H-Cyclopenta[def...	11.78	3.8	ng	555355	4	11.17	2936290	20.0
n-Tetracosanol-1	13.66	3.8	ng	690257	5	13.80	3648130	20.0
Benzo[e]pyrene	15.07	7.1	ng	544343	6	15.19	1525400	20.0