LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

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-BF073019.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	19	rVB	754861	1016892	36.42%	2.638%
2	5.481	572	577	597	rBV	2494241	2635116	94.39%	6.835%
3	6.487	743	748	765	rBV	2797790	2791463	99.99%	7.241%
4	6.622	767	771	775	rBV	2894667	2791814	100.00%	7.242%
5	6.851	807	810	818	rBV	1004006	798188	28.59%	2.070%
6	7.010	833	837	840	rBV	2480850	2096898	75.11%	5.439%
7	7.410	901	905	908	rBV	1907517	1711656	61.31%	4.440%
8	8.133	1022	1028	1031	rBV	1085305	975730	34.95%	2.531%
9	8.728	1126	1129	1132	rBV	39534	31752	1.14%	0.082%
10	9.210	1207	1211	1221	rBV	3127588	2740988	98.18%	7.110%
11	9.292	1222	1225	1230	rVV3	68164	67854	2.43%	0.176%
12	9.604	1275	1278	1283	rBV	405662	353621	12.67%	0.917%
13	9.822	1313	1315	1321	rVB	48841	45490	1.63%	0.118%
14	9.892	1323	1327	1331	rBV	1234544	998895	35.78%	2.591%
15	10.322	1398	1400	1403	rVB	50547	39532	1.42%	0.103%
16	10.680	1457	1461	1477	rVB	1671300	1472066	52.73%	3.818%
17	10.798	1477	1481	1482	rBV	35493	33675	1.21%	0.087%
18	11.245	1551	1557	1560	rBV5	32914	41922	1.50%	0.109%
19	11.380	1576	1580	1582	rBV	988247	867970	31.09%	2.251%
20	11.404	1582	1584	1587	rVV	248135	211409	7.57%	0.548%
21	11.451	1587	1592	1596	rVB	68632	80229	2.87%	0.208%
22	11.880	1659	1665	1667	rBV	37086	36765	1.32%	0.095%
23	11.904	1667	1669	1675	rVV2	100499	109707	3.93%	0.285%
24	11.992	1681	1684	1687	rBV	94224	97923	3.51%	0.254%
25	12.174	1712	1715	1718	rBV	58359	48123	1.72%	0.125%
26	12.427	1755	1758	1761	rBV	47571	51666	1.85%	0.134%
27	12.516	1770	1773	1778	rBV	74389	72407	2.59%	0.188%
28	12.592	1782	1786	1790	rBV	1607100	1375359	49.26%	3.568%
29	12.745	1808	1812	1815	rVB	66464	60257	2.16%	0.156%
30	12.821	1819	1825	1831	rBV	1598088	1667458	59.73%	4.325%
31	12.868	1831	1833	1838	rVB2	50290	57455	2.06%	0.149%
32	12.963	1842	1849	1852	rBV	2451435	2196173	78.66%	5.697%
33	13.045	1857	1863	1866	rBV2	89373	155723	5.58%	0.404%
34	13.127	1874	1877	1878	rBV3	73099	78552	2.81%	0.204%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.151	1878	1881	1884	rVB	144290	146475	5.25%	0.380%
36	13.192	1884	1888	1890	rBV3	25326	41096	1.47%	0.107%
37	13.216	1890	1892	1894	rVB	71312	56241	2.01%	0.146%
38	13.251	1894	1898	1901	rBV2	132874	146474	5.25%	0.380%
39	13.345	1911	1914	1917	rBV	79997	74353	2.66%	0.193%
40	13.374	1917	1919	1923	rBV2	78601	86271	3.09%	0.224%
41	13.533	1942	1946	1951	rBV5	29236	60735	2.18%	0.158%
42	13.633	1960	1963	1965	rBV3	27971	35316	1.26%	0.092%
43	13.657	1965	1967	1972	rVB	104178	117353	4.20%	0.304%
44	13.768	1982	1986	1988	rBV2	197695	192447	6.89%	0.499%
45	13.798	1988	1991	1993	rVV	137050	136333	4.88%	0.354%
46	13.821	1993	1995	2000	rVV2	160098	211747	7.58%	0.549%
47	13.868	2000	2003	2009	rVV2	196434	275321	9.86%	0.714%
48	13.939	2012	2015	2019	rVB	50013	69648	2.49%	0.181%
49	14.015	2021	2028	2031	rBV2	1295533	2027868	72.64%	5.260%
50	14.045	2031	2033	2041	rVB	885770	831772	29.79%	2.158%
51	14.127	2044	2047	2050	rVV	186865	157003	5.62%	0.407%
52	14.233	2063	2065	2070	rBV2	72122	99808	3.58%	0.259%
53	14.368	2086	2088	2090	rBV	40148	35298	1.26%	0.092%
54	14.404	2090	2094	2098	rVV	130925	161414	5.78%	0.419%
55	14.439	2098	2100	2103	rVB2	68507	60980	2.18%	0.158%
56	14.533	2113	2116	2117	rBV	75507	73550	2.63%	0.191%
57	14.551	2117	2119	2122	rVB	90464	82140	2.94%	0.213%
58	14.721	2145	2148	2150	rBV2	54240	53179	1.90%	0.138%
59	14.792	2158	2160	2164	rBV4	36064	47523	1.70%	0.123%
60	15.062	2201	2206	2209	rBV	967739	1400321	50.16%	3.632%
61	15.168	2221	2224	2228	rBV	164104	166205	5.95%	0.431%
62	15.362	2253	2257	2264	rVB	531906	734898	26.32%	1.906%
63	15.427	2264	2268	2273	rBV	772132	948559	33.98%	2.460%
64	15.492	2274	2279	2282	rVV	674539	910767	32.62%	2.362%
65	15.521	2282	2284	2291	rVB	254574	300793	10.77%	0.780%
66	16.962	2524	2529	2537	rVB2	275005	544461	19.50%	1.412%
67	17.409	2599	2605	2614	rVB	209873	455127	16.30%	1.181%

Sum of corrected areas: 38552204

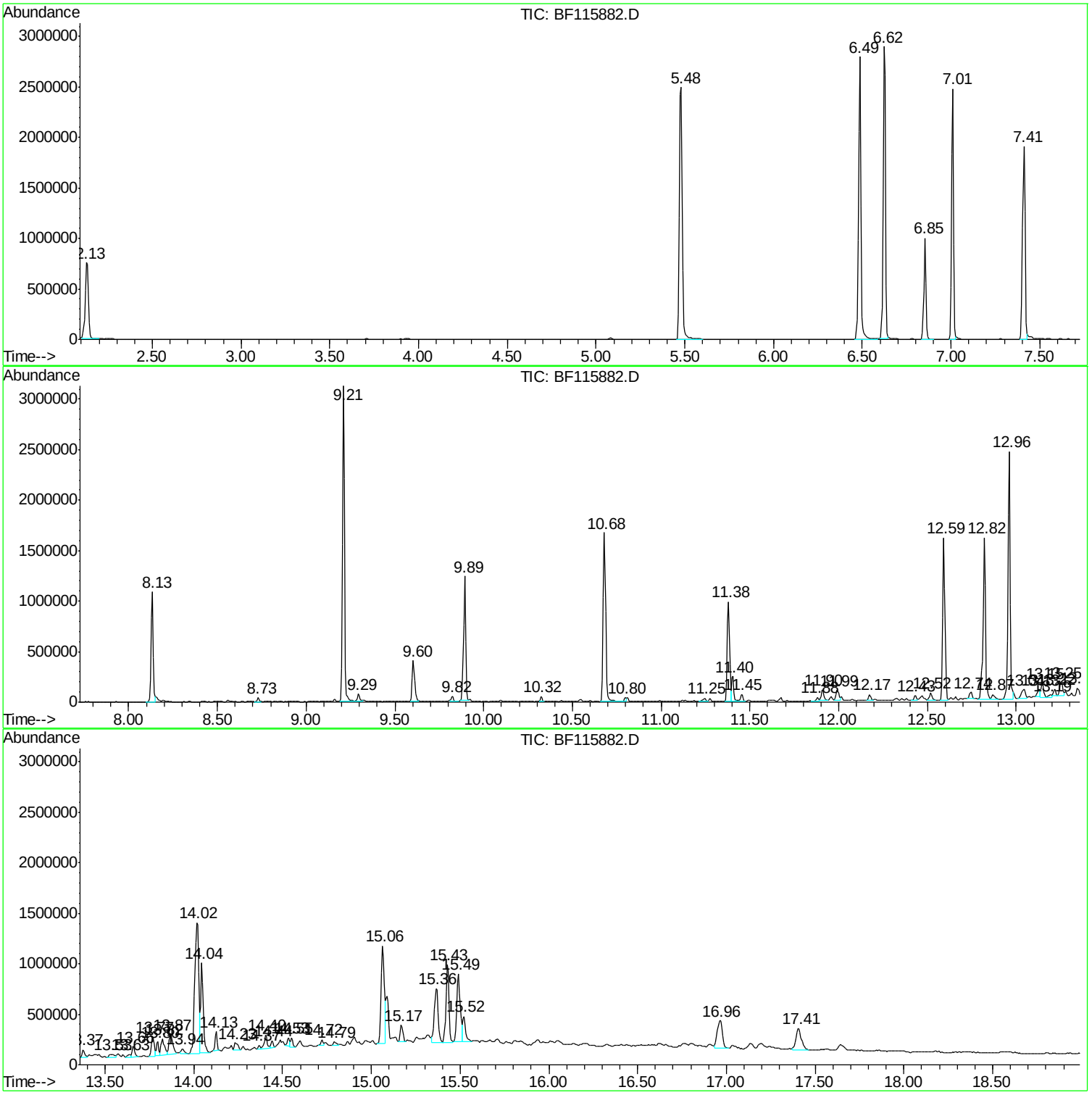
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

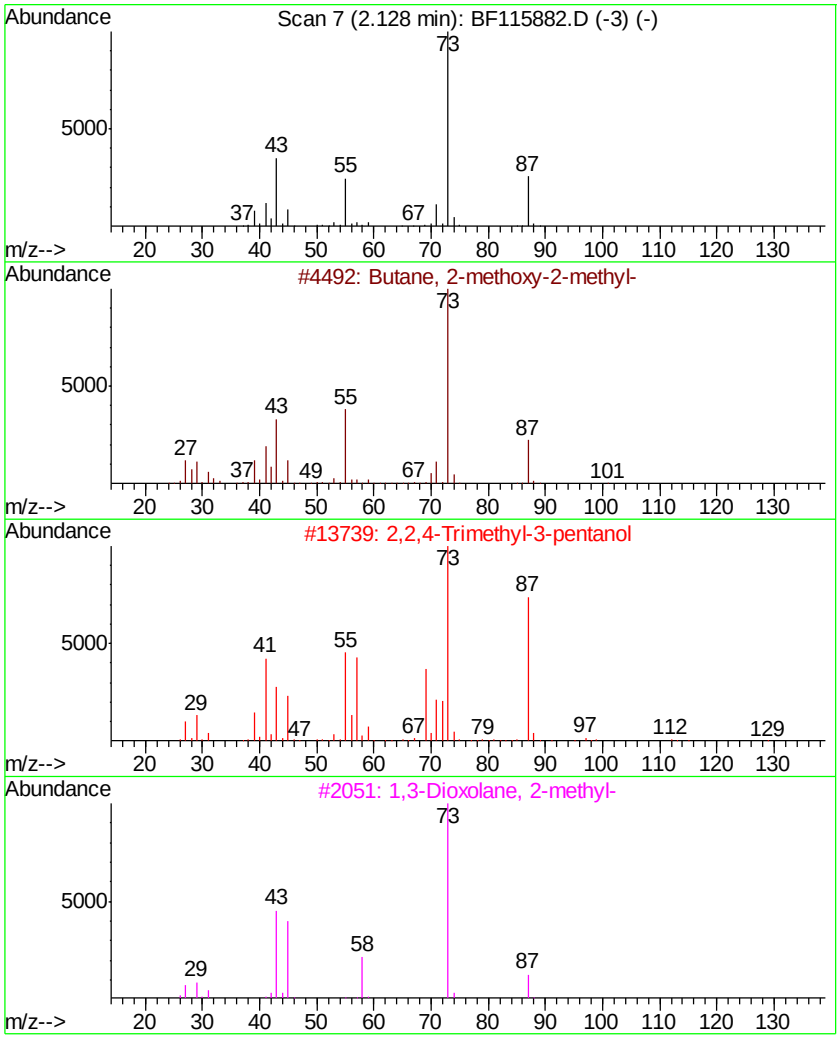
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

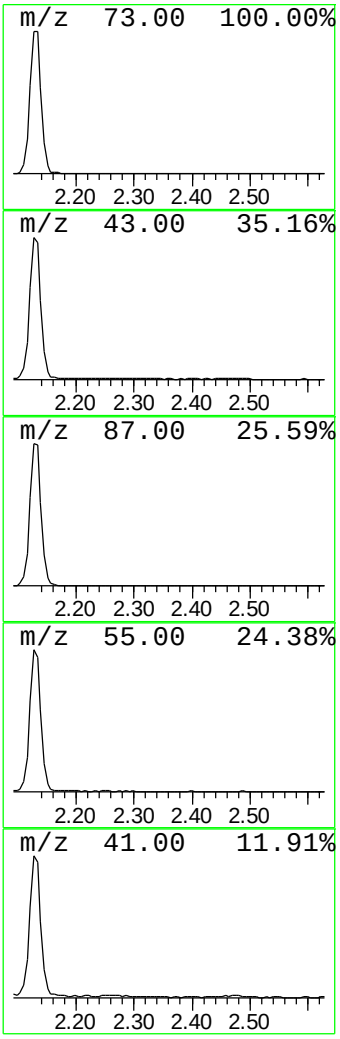
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	25.48 ng	1016890	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

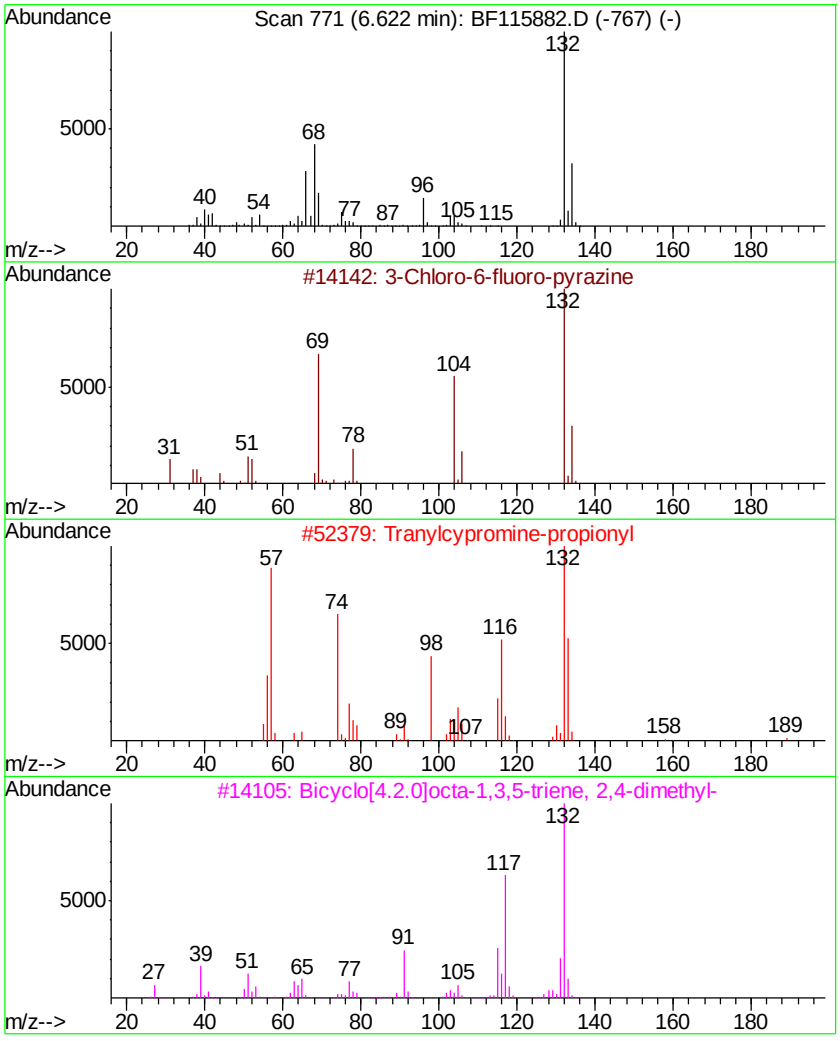
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

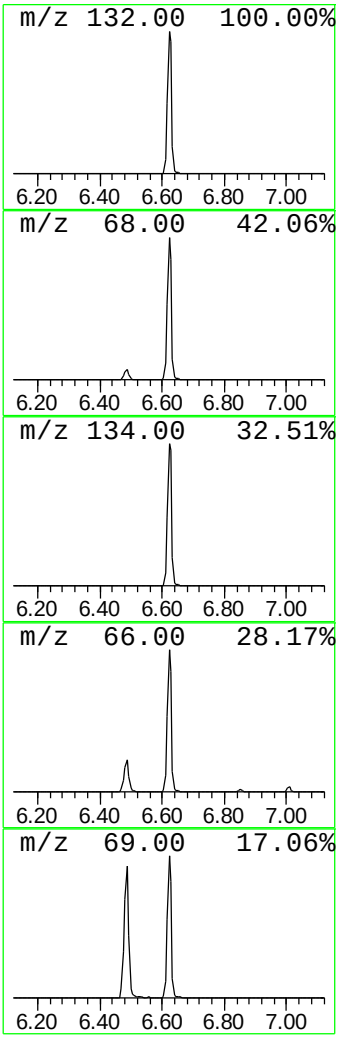
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	69.95 ng	2791810	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

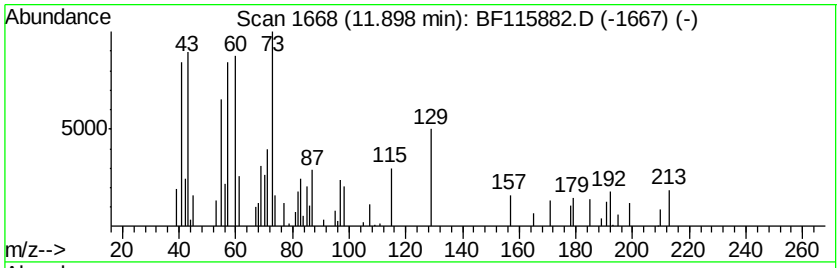
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

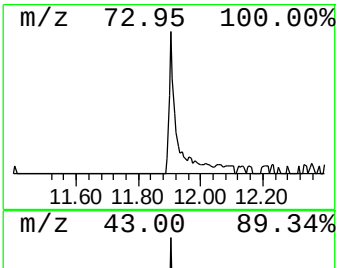
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.53 ng	109707	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

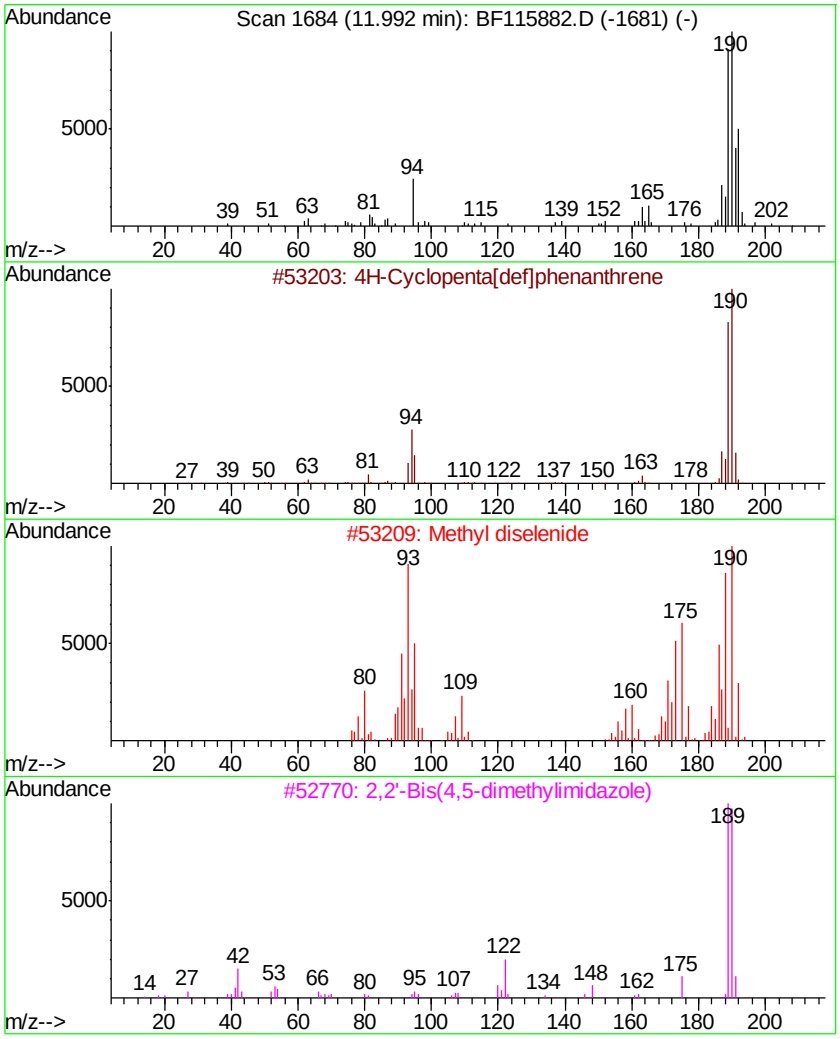
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

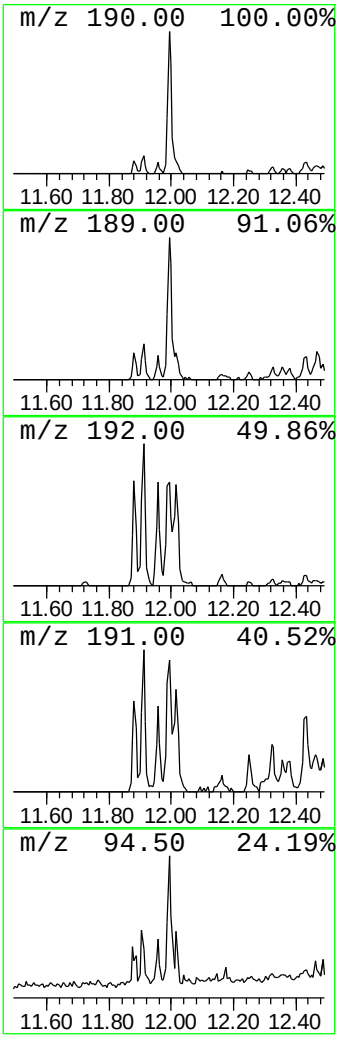
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.26 ng	97923	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Methyl diselenide	190	C2H6Se2	007101-31-7	41
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	28
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

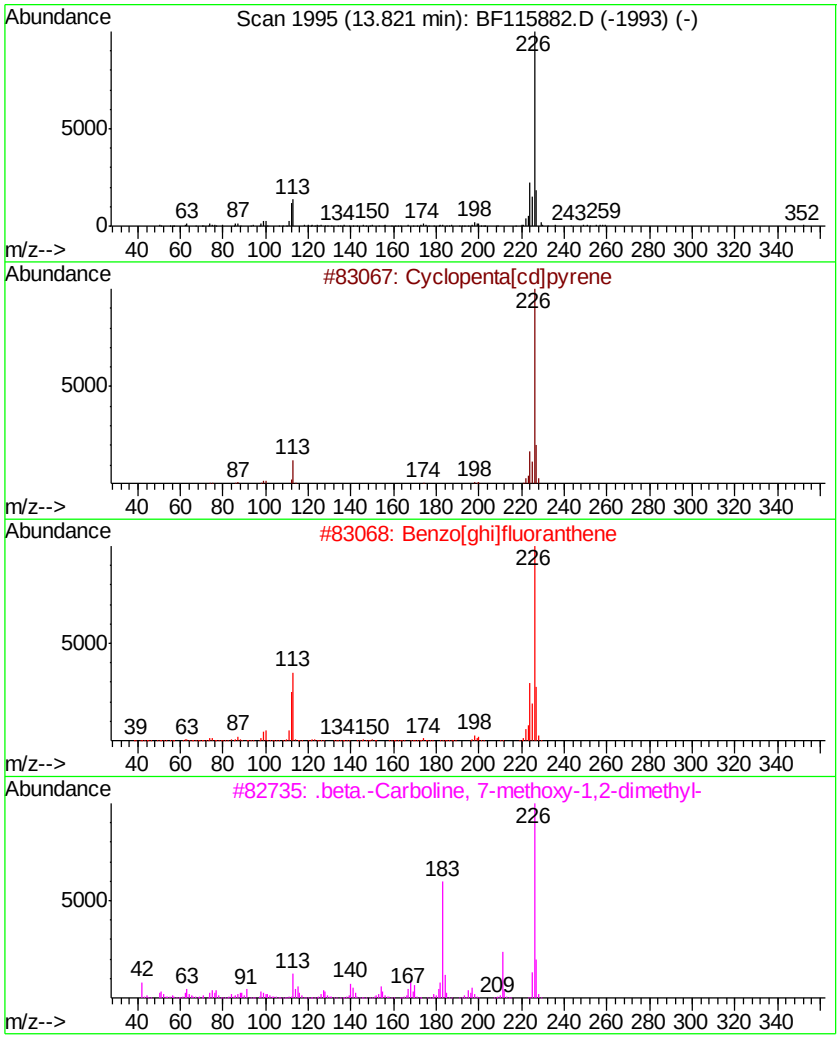
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

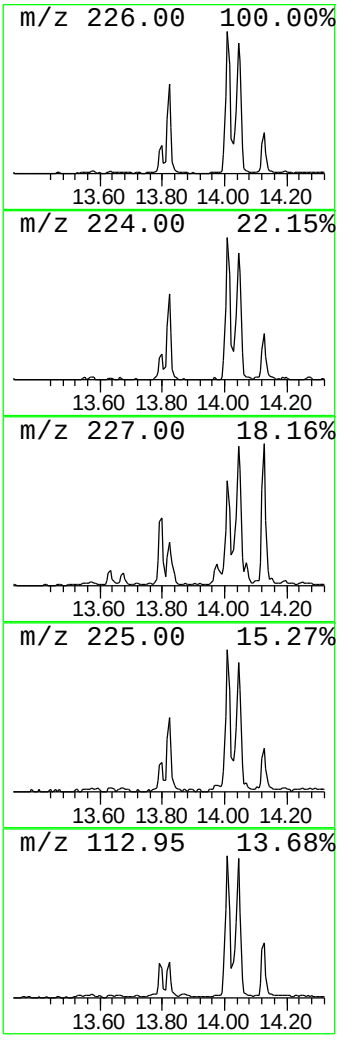
****

Peak Number 6 Cyclopenta[cd]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	2.09 ng	211747	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	93
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	47
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	42
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	36





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

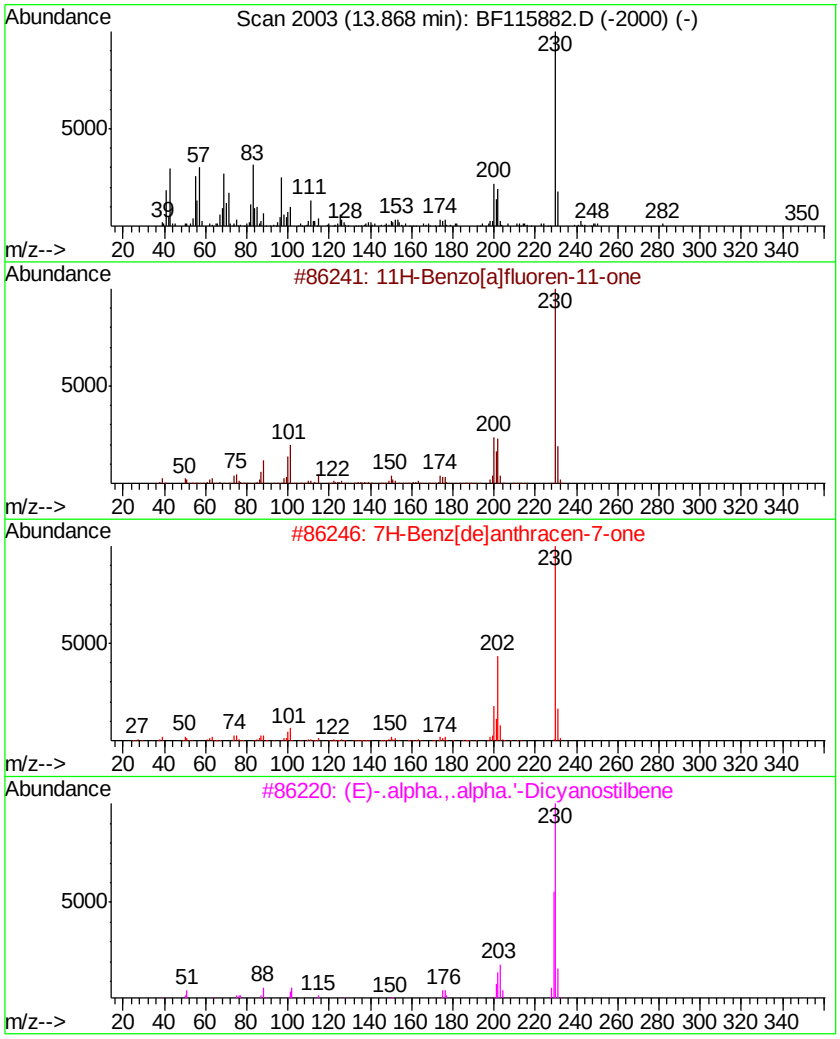
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

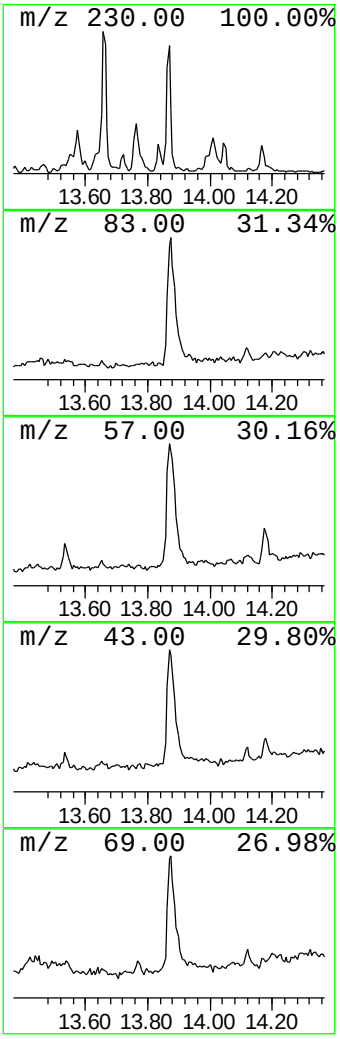
****

Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.72 ng	275321	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	60
3	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	49
4	p-Terphenyl	230	C18H14	000092-94-4	38
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

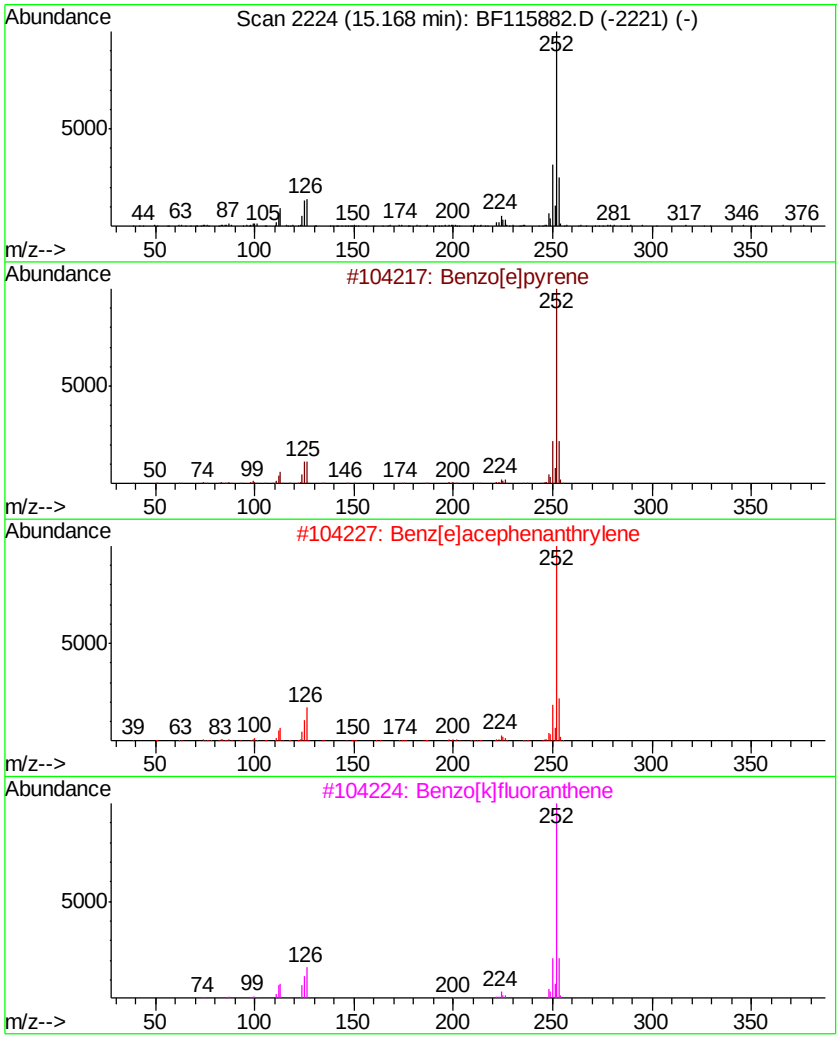
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

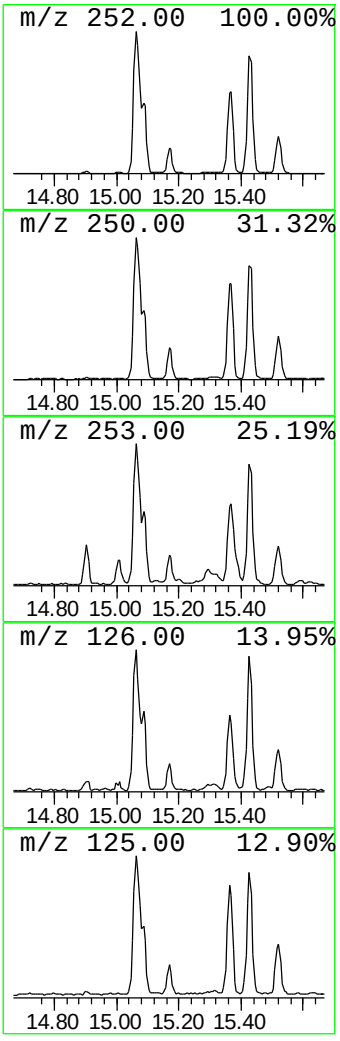
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	3.65 ng	166205	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

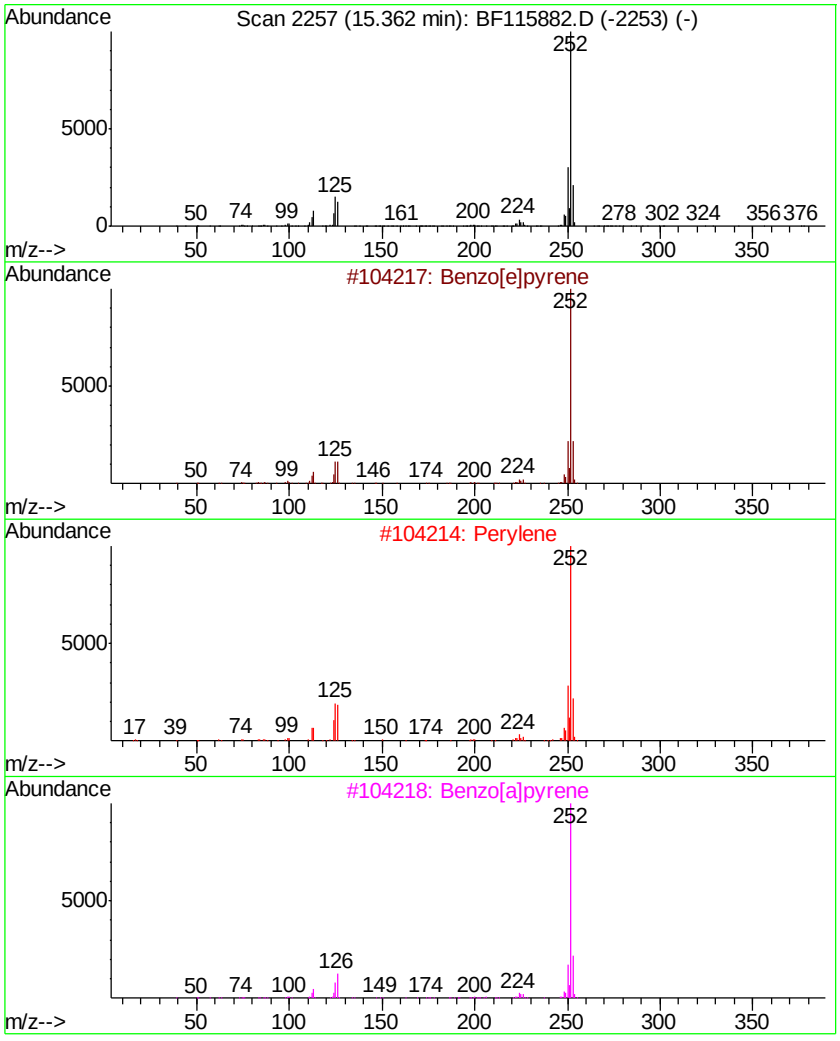
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

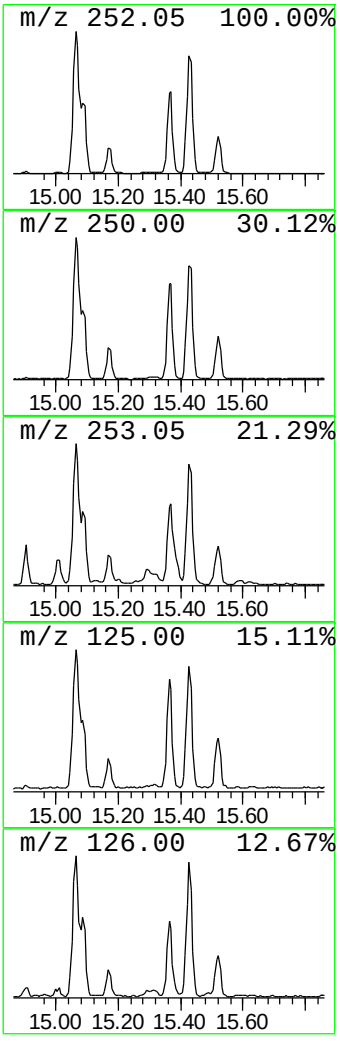
****

Peak Number 9 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	16.14 ng	734898	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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	25.5	ng	1016890	1	6.85	798188	20.0
unknown6.62	6.62	70.0	ng	2791810	1	6.85	798188	20.0
n-Hexadecanoic acid	11.90	2.5	ng	109707	4	11.38	867970	20.0
4H-Cyclopenta[def...	11.99	2.3	ng	97923	4	11.38	867970	20.0
Cyclopenta[cd]pyrene	13.82	2.1	ng	211747	5	14.02	2027870	20.0
11H-Benzo[a]fluor...	13.87	2.7	ng	275321	5	14.02	2027870	20.0
Benzo[e]pyrene	15.17	3.6	ng	166205	6	15.49	910767	20.0
Perylene	15.36	16.1	ng	734898	6	15.49	910767	20.0