LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
Data File : BF119085.D
Acq On : 26 Feb 2020 1:10
Operator : CG/JU
Sample : L1367-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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-BF022020.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	5.375	556	559	579	rBV	604618	651198	16.96%	1.253%
2	6.392	729	732	748	rBV	653200	664260	17.30%	1.278%
3	6.751	789	793	802	rBV	1132430	999480	26.03%	1.923%
4	6.910	816	820	828	rBV	689972	635846	16.56%	1.223%
5	7.310	885	888	895	rBV	439483	407178	10.60%	0.783%
6	8.033	1006	1011	1014	rBV	1492970	1272733	33.15%	2.448%
7	8.745	1127	1132	1136	rBV	145521	123454	3.22%	0.237%
8	8.845	1143	1149	1158	rVB	184060	172586	4.49%	0.332%
9	9.110	1190	1194	1205	rVB	1003891	958375	24.96%	1.844%
10	9.374	1235	1239	1243	rBV	122043	165237	4.30%	0.318%
11	9.445	1247	1251	1254	rVV	232164	236697	6.16%	0.455%
12	9.474	1254	1256	1258	rVV	135961	114911	2.99%	0.221%
13	9.510	1258	1262	1266	rVV2	93073	120910	3.15%	0.233%
14	9.563	1268	1271	1276	rVV	116506	128809	3.35%	0.248%
15	9.645	1280	1285	1290	rBV	402705	360124	9.38%	0.693%
16	9.786	1302	1309	1312	rBV	1598945	1425553	37.13%	2.742%
17	9.816	1312	1314	1318	rVB	322233	273655	7.13%	0.526%
18	9.986	1340	1343	1347	rVV	183275	192241	5.01%	0.370%
19	10.027	1347	1350	1353	rVB	104241	85657	2.23%	0.165%
20	10.104	1358	1363	1365	rBV2	100020	123315	3.21%	0.237%
21	10.133	1365	1368	1374	rVB	73333	85283	2.22%	0.164%
22	10.192	1374	1378	1380	rBV2	65127	89564	2.33%	0.172%
23	10.333	1399	1402	1408	rVB	348875	363355	9.46%	0.699%
24	10.398	1408	1413	1415	rBV2	80527	103017	2.68%	0.198%
25	10.445	1418	1421	1425	rVV4	53587	67028	1.75%	0.129%
26	10.486	1425	1428	1432	rVB	77945	80182	2.09%	0.154%
27	10.574	1437	1443	1447	rBV	528899	567268	14.77%	1.091%
28	10.698	1460	1464	1470	rVB3	119048	143043	3.73%	0.275%
29	10.880	1490	1495	1497	rBV3	114085	134604	3.51%	0.259%
30	10.910	1497	1500	1503	rVV	87148	84545	2.20%	0.163%
31	11.010	1512	1517	1519	rBV4	58792	82721	2.15%	0.159%
32	11.027	1519	1520	1526	rVV	72931	91245	2.38%	0.176%
33	11.074	1526	1528	1532	rVV	162555	151900	3.96%	0.292%
34	11.121	1532	1536	1539	rVV3	55271	86853	2.26%	0.167%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
Data File : BF119085.D
Acq On : 26 Feb 2020 1:10
Operator : CG/JU
Sample : L1367-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.163	1541	1543	1549	rVB	229294	226793	5.91%	0.436%
36	11.268	1557	1561	1563	rBV	1340241	1221457	31.81%	2.350%
37	11.292	1563	1565	1569	rVV	2466005	2101876	54.74%	4.043%
38	11.345	1569	1574	1577	rVB	705894	621200	16.18%	1.195%
39	11.380	1577	1580	1583	rBV2	90902	99520	2.59%	0.191%
40	11.498	1597	1600	1603	rBV	127894	129898	3.38%	0.250%
41	11.563	1608	1611	1614	rVV	111619	93516	2.44%	0.180%
42	11.598	1614	1617	1622	rVV2	159603	156078	4.06%	0.300%
43	11.680	1629	1631	1635	rVB	115625	114455	2.98%	0.220%
44	11.727	1636	1639	1641	rBV	62676	61663	1.61%	0.119%
45	11.768	1643	1646	1649	rVV	542886	514305	13.39%	0.989%
46	11.798	1649	1651	1655	rVV	722072	592518	15.43%	1.140%
47	11.845	1656	1659	1662	rVV	247718	208119	5.42%	0.400%
48	11.880	1662	1665	1668	rVV	800318	907055	23.62%	1.745%
49	11.904	1668	1669	1674	rVB	388672	237911	6.20%	0.458%
50	12.063	1693	1696	1699	rVV	305017	279995	7.29%	0.539%
51	12.092	1699	1701	1707	rVB	220130	223796	5.83%	0.431%
52	12.198	1716	1719	1720	rBV	70785	75557	1.97%	0.145%
53	12.215	1720	1722	1724	rVV	133249	122315	3.19%	0.235%
54	12.245	1724	1727	1729	rVV	181942	171054	4.45%	0.329%
55	12.268	1729	1731	1734	rVB2	135650	112314	2.93%	0.216%
56	12.321	1736	1740	1742	rBV	388367	392110	10.21%	0.754%
57	12.357	1742	1746	1748	rVV3	218604	279276	7.27%	0.537%
58	12.374	1748	1749	1752	rVB	106555	76866	2.00%	0.148%
59	12.410	1752	1755	1759	rBV	289385	329518	8.58%	0.634%
60	12.486	1763	1768	1771	rBV	3737991	3391113	88.32%	6.524%
61	12.545	1776	1778	1781	rVB2	112325	91450	2.38%	0.176%
62	12.574	1781	1783	1786	rBV	144115	123444	3.21%	0.237%
63	12.633	1790	1793	1797	rVB2	106737	106896	2.78%	0.206%
64	12.715	1800	1807	1810	rBV	3268620	3839755	100.00%	7.387%
65	12.762	1812	1815	1819	rVB2	156828	222870	5.80%	0.429%
66	12.827	1823	1826	1827	rBV2	222212	187801	4.89%	0.361%
67	12.851	1827	1830	1832	rVB	687551	612025	15.94%	1.177%
68	12.927	1838	1843	1847	rBV2	342054	571369	14.88%	1.099%
69	12.986	1850	1853	1854	rVV3	78126	77148	2.01%	0.148%
70	13.015	1854	1858	1859	rVV2	314444	361949	9.43%	0.696%
71	13.039	1859	1862	1865	rVB	611085	615271	16.02%	1.184%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
Data File : BF119085.D
Acq On : 26 Feb 2020 1:10
Operator : CG/JU
Sample : L1367-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.104	1870	1873	1876	rVV	381190	377415	9.83%	0.726%
73	13.139	1876	1879	1887	rVB3	478016	679459	17.70%	1.307%
74	13.198	1887	1889	1892	rBV3	85092	95836	2.50%	0.184%
75	13.233	1892	1895	1898	rVV	292237	256086	6.67%	0.493%
76	13.262	1898	1900	1904	rVV	267971	271335	7.07%	0.522%
77	13.551	1946	1949	1953	rVB	351976	356020	9.27%	0.685%
78	13.657	1963	1967	1969	rBV	454637	463112	12.06%	0.891%
79	13.680	1969	1971	1974	rVV	330713	337009	8.78%	0.648%
80	13.709	1974	1976	1981	rVV2	304463	454455	11.84%	0.874%
81	13.757	1981	1984	1988	rVB	402221	411567	10.72%	0.792%
82	13.827	1993	1996	1998	rBV	91112	102951	2.68%	0.198%
83	13.904	2004	2009	2012	rBV2	2310724	3244232	84.49%	6.241%
84	13.939	2012	2015	2018	rVB	1945834	1700486	44.29%	3.271%
85	14.015	2025	2028	2030	rVB	322512	250256	6.52%	0.481%
86	14.057	2032	2035	2040	rBV2	240785	308728	8.04%	0.594%
87	14.133	2044	2048	2051	rBV2	134786	216643	5.64%	0.417%
88	14.257	2066	2069	2071	rBV2	161214	144742	3.77%	0.278%
89	14.292	2073	2075	2078	rVB	429014	389334	10.14%	0.749%
90	14.327	2078	2081	2084	rBV	227282	193764	5.05%	0.373%
91	14.421	2094	2097	2098	rBV	274010	267656	6.97%	0.515%
92	14.780	2155	2158	2161	rBV2	168853	186117	4.85%	0.358%
93	14.939	2179	2185	2191	rBV	1796970	3551500	92.49%	6.832%
94	15.033	2198	2201	2205	rBV	345996	377146	9.82%	0.726%
95	15.221	2229	2233	2239	rVB	990477	1268907	33.05%	2.441%
96	15.286	2239	2244	2249	rBV	1530688	1867527	48.64%	3.593%
97	15.339	2250	2253	2256	rBV	683161	786768	20.49%	1.514%
98	15.368	2256	2258	2265	rVB2	345428	470659	12.26%	0.905%
99	16.750	2487	2493	2499	rVB	627233	1146063	29.85%	2.205%
100	17.180	2560	2566	2581	rVB	454625	1013107	26.38%	1.949%

Sum of corrected areas: 51981963

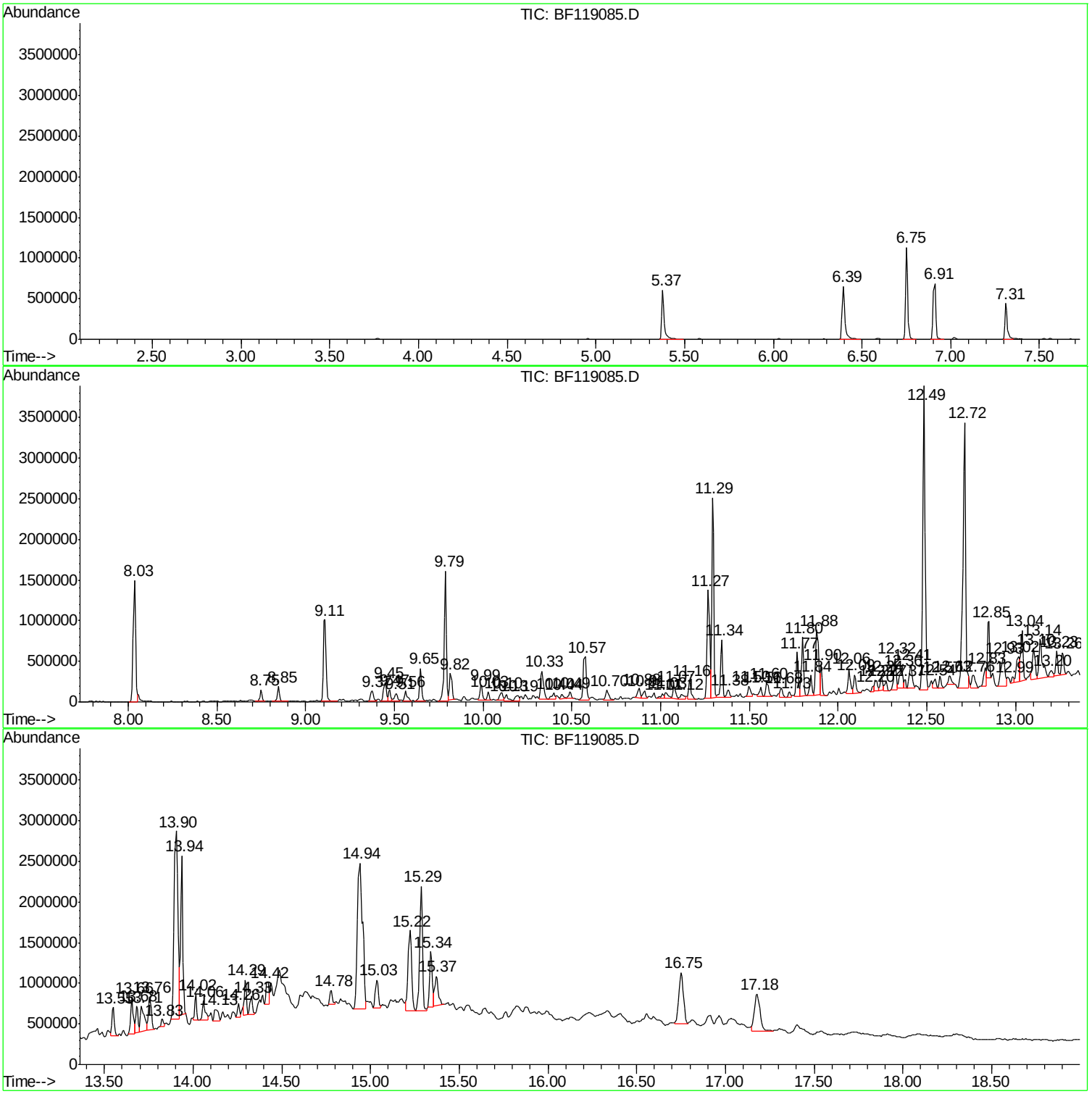
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
Data File : BF119085.D
Acq On : 26 Feb 2020 1:10
Operator : CG/JU
Sample : L1367-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF022520\
Data File : BF119085.D
Acq On : 26 Feb 2020 1:10
Operator : CG/JU
Sample : L1367-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

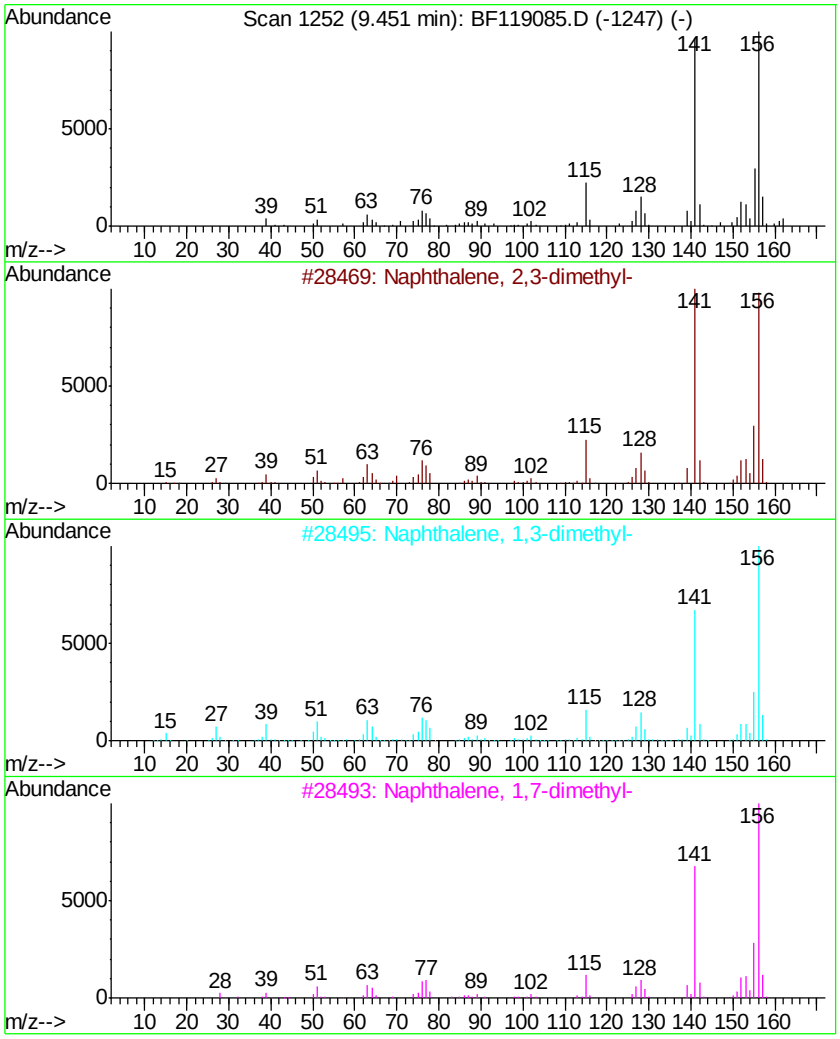
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

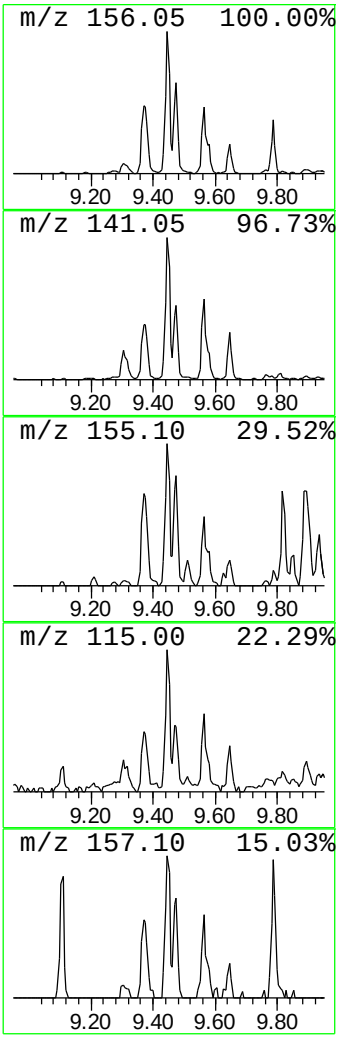
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	3.32 ng	236697	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
Data File : BF119085.D
Acq On : 26 Feb 2020 1:10
Operator : CG/JU
Sample : L1367-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

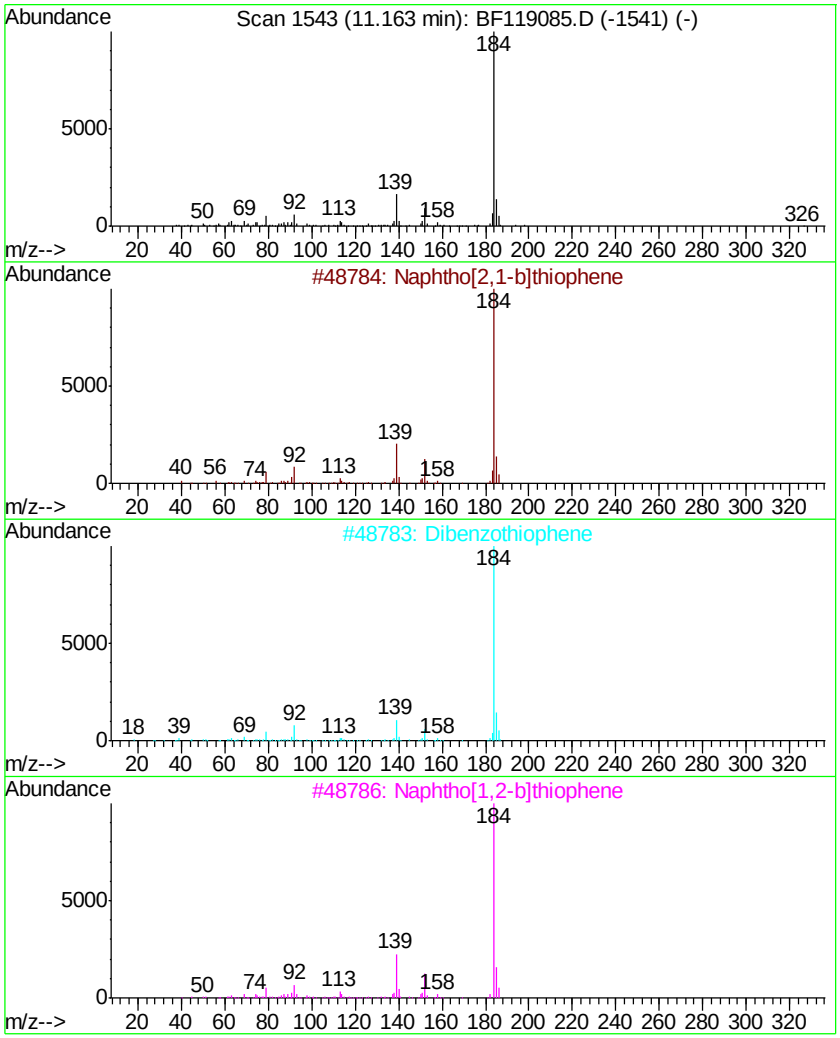
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

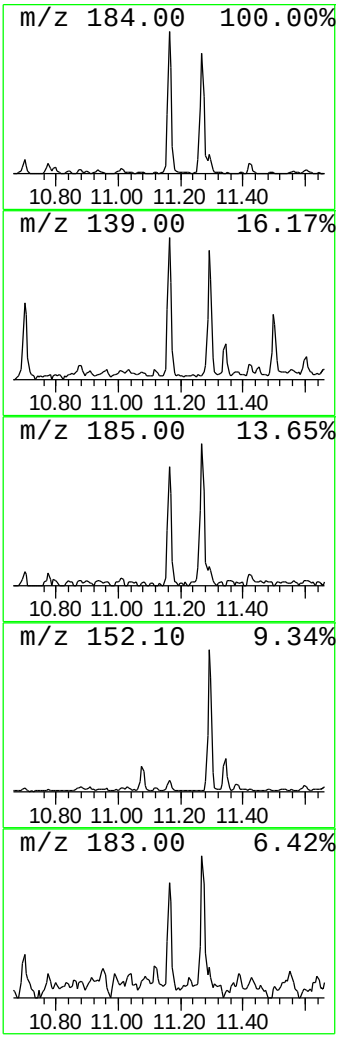
****

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	3.71 ng	226793	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
Data File : BF119085.D
Acq On : 26 Feb 2020 1:10
Operator : CG/JU
Sample : L1367-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

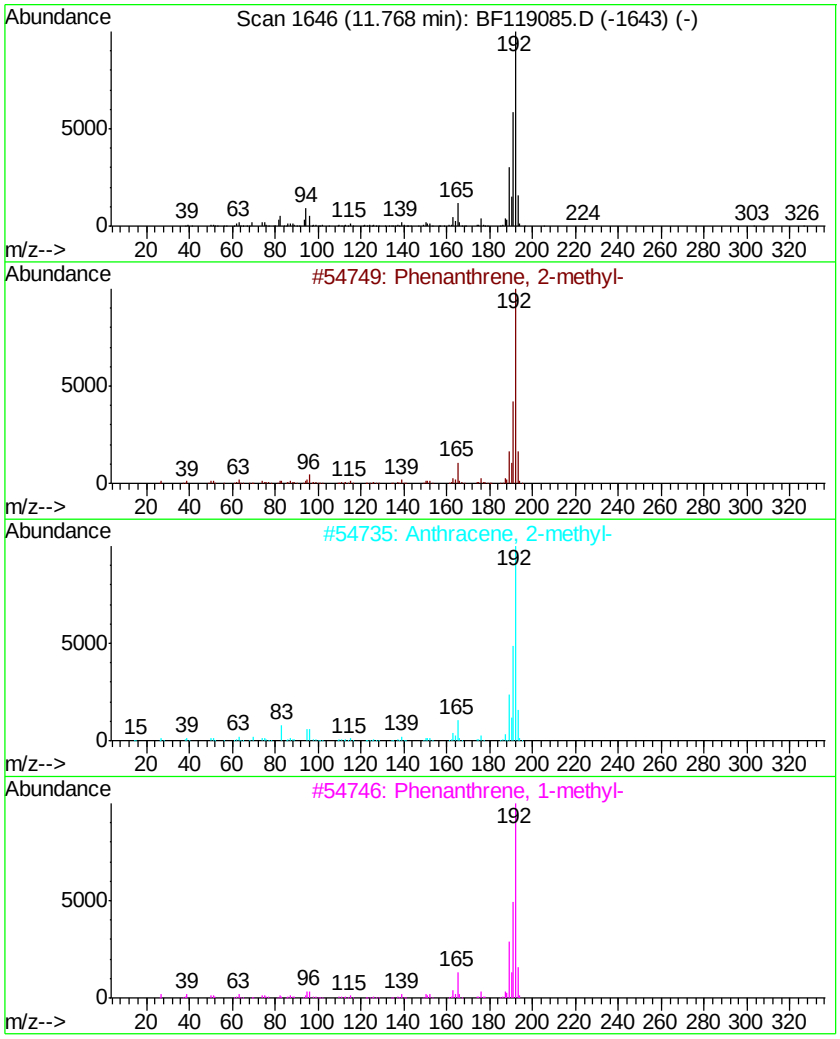
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

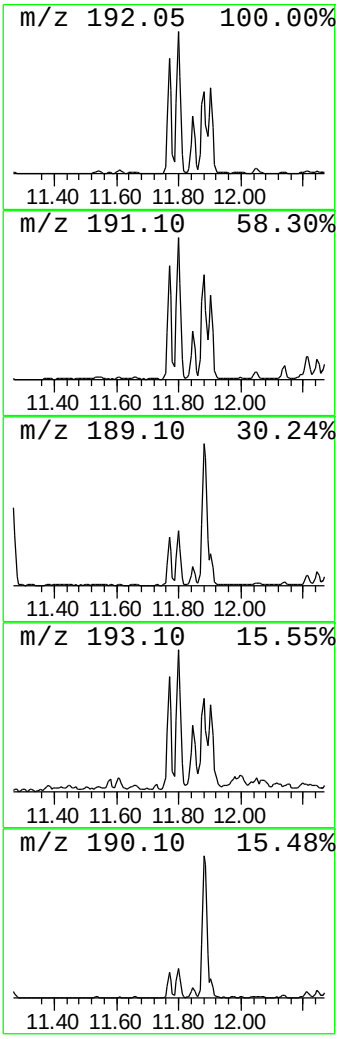
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	8.42 ng	514305	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
Data File : BF119085.D
Acq On : 26 Feb 2020 1:10
Operator : CG/JU
Sample : L1367-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

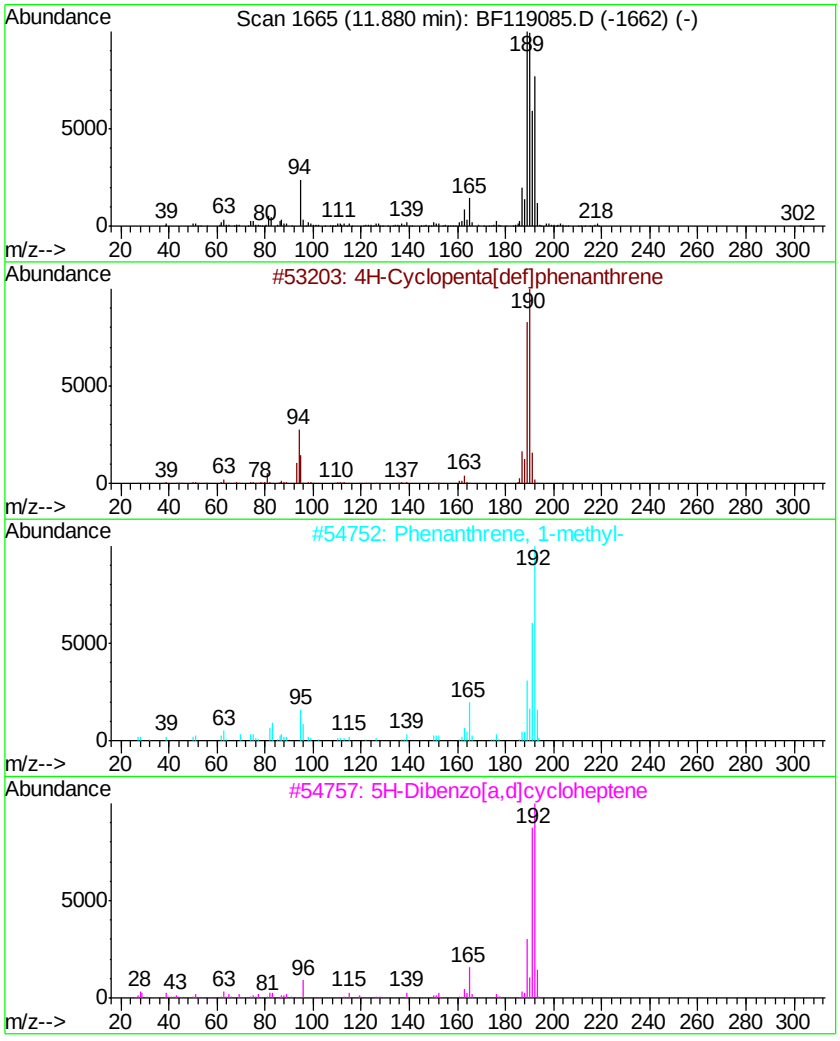
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

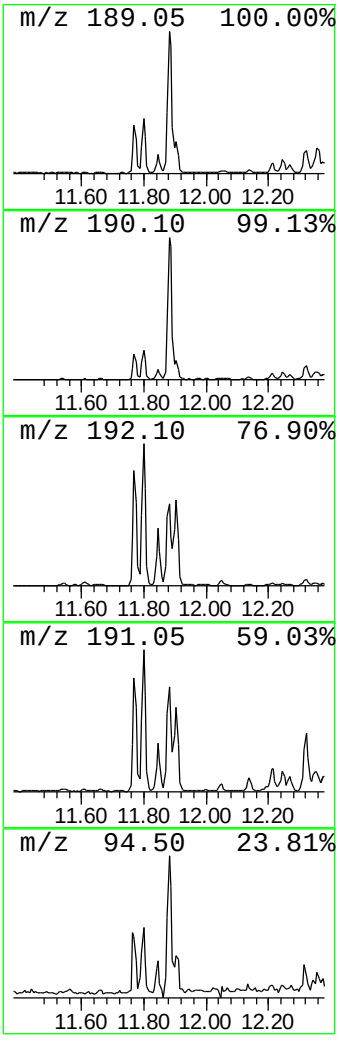
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	14.85 ng	907055	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	38
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
Data File : BF119085.D
Acq On : 26 Feb 2020 1:10
Operator : CG/JU
Sample : L1367-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

****

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.90 ng	237911	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80