LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-F1-5.0-10.0

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122039.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.945	483	486	498	rVB	35332	53917	1.91%	0.198%
2	5.351	552	555	578	rBV	2392982	2679245	94.81%	9.826%
3	6.387	727	731	757	rBV	2240132	2732850	96.70%	10.023%
4	6.575	757	763	777	rVB	83731	147276	5.21%	0.540%
5	6.728	786	789	797	rVB	756875	613220	21.70%	2.249%
6	6.798	797	801	811	rBV	54615	74837	2.65%	0.274%
7	7.298	882	886	889	rBV	1972567	1779116	62.96%	6.525%
8	8.010	1004	1007	1016	rVB	860786	819694	29.01%	3.006%
9	8.728	1125	1129	1135	rBV	70031	63078	2.23%	0.231%
10	8.822	1141	1145	1152	rVB	62345	60105	2.13%	0.220%
11	9.086	1186	1190	1193	rBV	3231980	2826010	100.00%	10.364%
12	9.204	1206	1210	1214	rVB2	111105	112792	3.99%	0.414%
13	9.357	1232	1236	1239	rBV2	43180	56774	2.01%	0.208%
14	9.422	1243	1247	1250	rVV	57276	63688	2.25%	0.234%
15	9.486	1254	1258	1265	rVV	382631	352831	12.49%	1.294%
16	9.545	1265	1268	1272	rVB	26446	33159	1.17%	0.122%
17	9.627	1279	1282	1286	rBV	118998	103375	3.66%	0.379%
18	9.763	1298	1305	1309	rBV	978308	828710	29.32%	3.039%
19	9.969	1335	1340	1344	rBV3	28961	35132	1.24%	0.129%
20	10.080	1356	1359	1362	rBV	38159	40171	1.42%	0.147%
21	10.163	1370	1373	1376	rBV3	26353	34311	1.21%	0.126%
22	10.310	1395	1398	1403	rVB2	46596	60913	2.16%	0.223%
23	10.557	1436	1440	1451	rVB	1690948	1523355	53.90%	5.587%
24	10.680	1456	1461	1467	rVB4	44307	63460	2.25%	0.233%
25	10.863	1487	1492	1494	rBV2	30733	43846	1.55%	0.161%
26	11.051	1521	1524	1529	rVB3	63871	65627	2.32%	0.241%
27	11.145	1537	1540	1545	rVB2	54611	63195	2.24%	0.232%
28	11.251	1554	1558	1560	rBV	844874	717094	25.37%	2.630%
29	11.274	1560	1562	1565	rVV	358993	279338	9.88%	1.024%
30	11.327	1568	1571	1574	rVB	90876	72045	2.55%	0.264%
31	11.363	1574	1577	1580	rBV4	19978	31216	1.10%	0.114%
32	11.492	1595	1599	1602	rBV3	36356	47883	1.69%	0.176%
33	11.580	1610	1614	1619	rBV	37340	47140	1.67%	0.173%
34	11.751	1640	1643	1646	rBV	119272	114475	4.05%	0.420%
35	11.780	1646	1648	1651	rVV	287345	242692	8.59%	0.890%
36	11.863	1659	1662	1664	rBV	148016	145941	5.16%	0.535%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-F1-5.0-10.0

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.886	1664	1666	1671	rVB	104850	93326	3.30%	0.342%
38	12.045	1690	1693	1698	rVV3	48112	52982	1.87%	0.194%
39	12.086	1698	1700	1704	rVB3	30159	31204	1.10%	0.114%
40	12.227	1721	1724	1726	rBV	47641	37456	1.33%	0.137%
41	12.251	1726	1728	1731	rVB2	40771	34487	1.22%	0.126%
42	12.304	1731	1737	1739	rBV	163308	175548	6.21%	0.644%
43	12.339	1739	1743	1745	rVB2	59394	64615	2.29%	0.237%
44	12.374	1745	1749	1751	rBV3	65615	79832	2.82%	0.293%
45	12.463	1761	1764	1767	rBV	304477	264847	9.37%	0.971%
46	12.557	1777	1780	1787	rVB2	141216	144225	5.10%	0.529%
47	12.616	1787	1790	1792	rBV2	43572	40555	1.44%	0.149%
48	12.692	1798	1803	1810	rBV	426631	448362	15.87%	1.644%
49	12.751	1810	1813	1815	rVB2	60019	52091	1.84%	0.191%
50	12.833	1823	1827	1837	rVB	2391399	2487650	88.03%	9.123%
51	12.921	1837	1842	1845	rBV4	154946	199105	7.05%	0.730%
52	12.963	1845	1849	1852	rVB3	43191	64534	2.28%	0.237%
53	13.015	1852	1858	1862	rBV4	331591	370603	13.11%	1.359%
54	13.063	1862	1866	1868	rBV3	61193	78427	2.78%	0.288%
55	13.127	1874	1877	1879	rBV	92638	73204	2.59%	0.268%
56	13.151	1879	1881	1885	rVB4	40343	41584	1.47%	0.153%
57	13.204	1887	1890	1894	rBV2	301657	317908	11.25%	1.166%
58	13.239	1894	1896	1897	rBV	34141	30788	1.09%	0.113%
59	13.310	1905	1908	1911	rBV3	127537	114174	4.04%	0.419%
60	13.374	1916	1919	1921	rBV4	36690	35857	1.27%	0.132%
61	13.421	1921	1927	1931	rBV2	193832	323143	11.43%	1.185%
62	13.521	1938	1944	1949	rBV4	172642	241951	8.56%	0.887%
63	13.563	1949	1951	1954	rVB2	60838	55037	1.95%	0.202%
64	13.645	1959	1965	1967	rBV3	78012	149573	5.29%	0.549%
65	13.704	1972	1975	1978	rVV3	135983	148430	5.25%	0.544%
66	13.745	1978	1982	1991	rVV2	354424	622052	22.01%	2.281%
67	13.810	1991	1993	1999	rVV3	33346	44337	1.57%	0.163%
68	13.892	1999	2007	2009	rBV2	860318	1008395	35.68%	3.698%
69	13.915	2009	2011	2015	rVB	431500	385834	13.65%	1.415%
70	14.051	2031	2034	2039	rBV4	55595	84130	2.98%	0.309%
71	14.133	2045	2048	2052	rBV3	129910	141409	5.00%	0.519%
72	14.174	2052	2055	2059	rVB3	57864	52373	1.85%	0.192%
73	14.215	2060	2062	2065	rBV2	63318	52127	1.84%	0.191%
74	14.280	2068	2073	2076	rBV	124006	154893	5.48%	0.568%
75	14.315	2077	2079	2081	rVB	60893	41528	1.47%	0.152%
76	14.351	2083	2085	2088	rVB2	60879	56737	2.01%	0.208%

LSC Area Percent Report

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Acq On : 20 Oct 2020 20:11
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Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-F1-5.0-10.0

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.404	2092	2094	2097	rVB	49856	46309	1.64%	0.170%
78	14.921	2179	2182	2188	rVB	120150	172319	6.10%	0.632%
79	15.021	2197	2199	2208	rVB2	56926	96624	3.42%	0.354%
80	15.209	2228	2231	2236	rVB	120843	139846	4.95%	0.513%
81	15.268	2238	2241	2245	rVB	145973	169806	6.01%	0.623%
82	15.327	2247	2251	2255	rBV	625053	718390	25.42%	2.635%

Sum of corrected areas: 27267118

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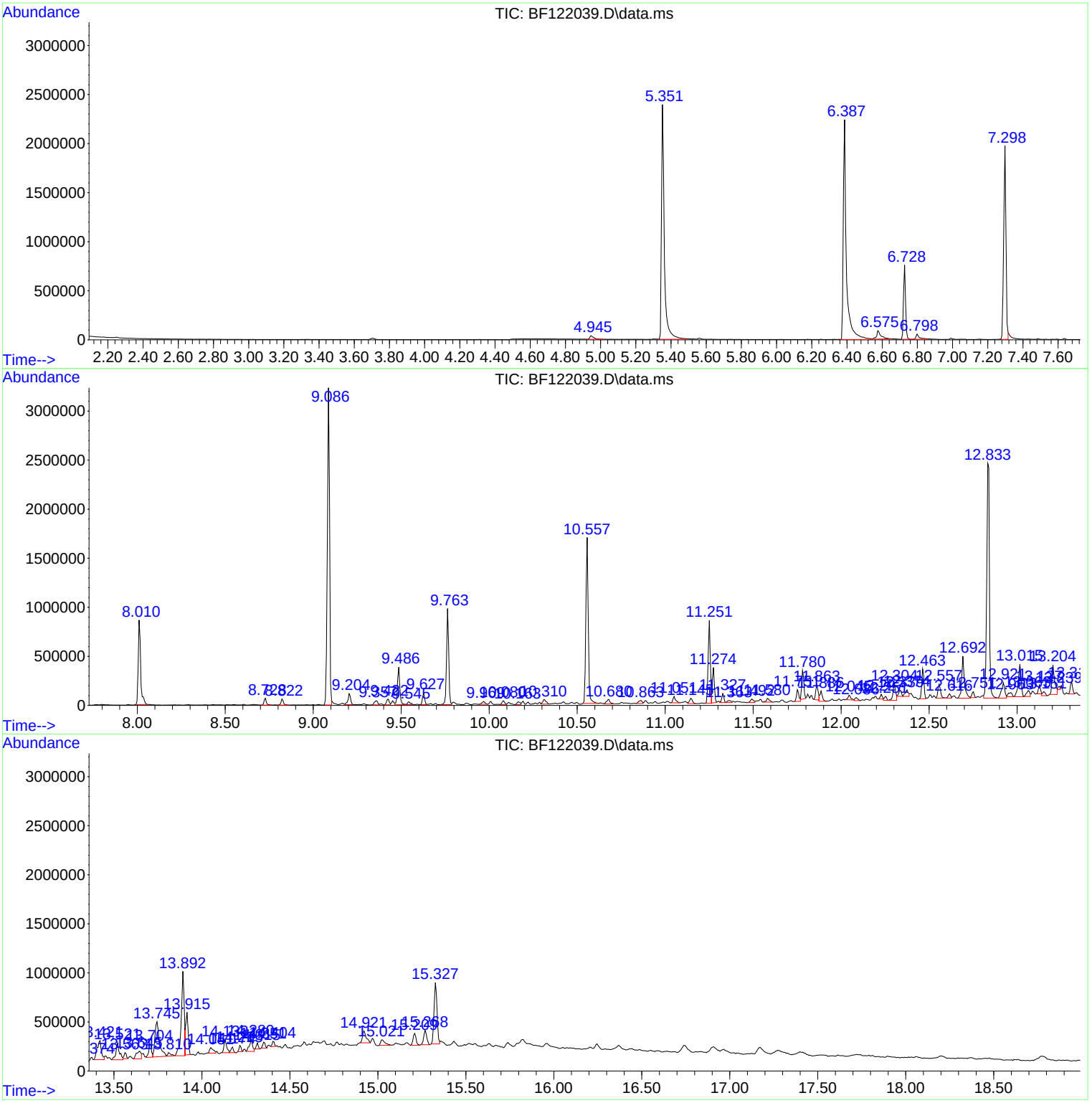
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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\BF102020\
Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-F1-5.0-10.0

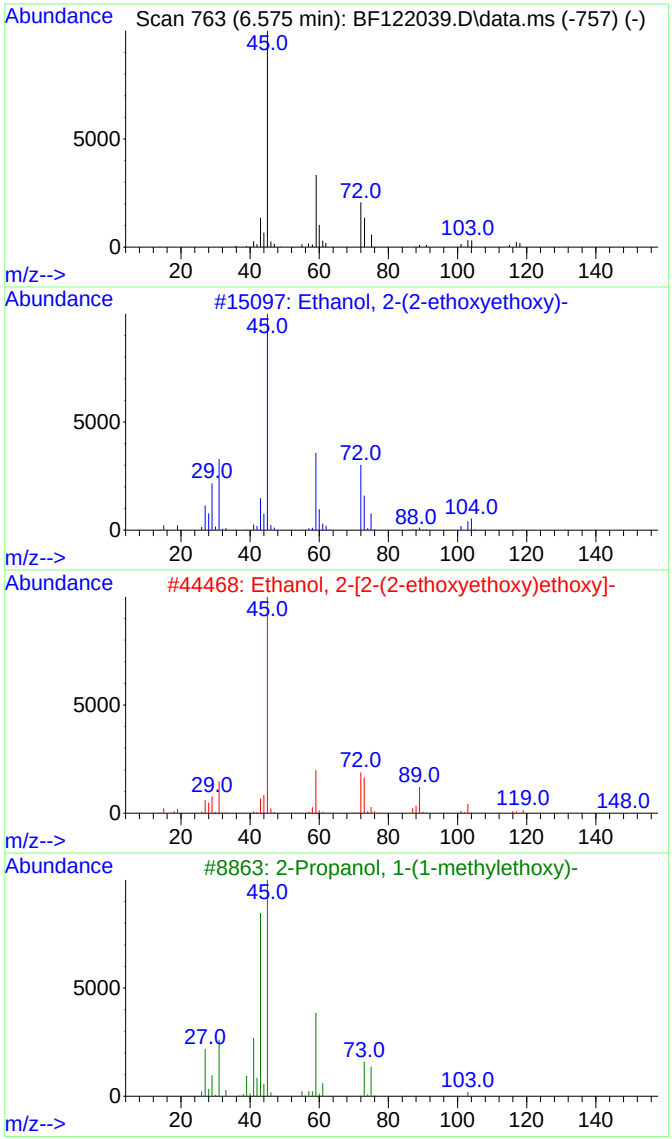
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

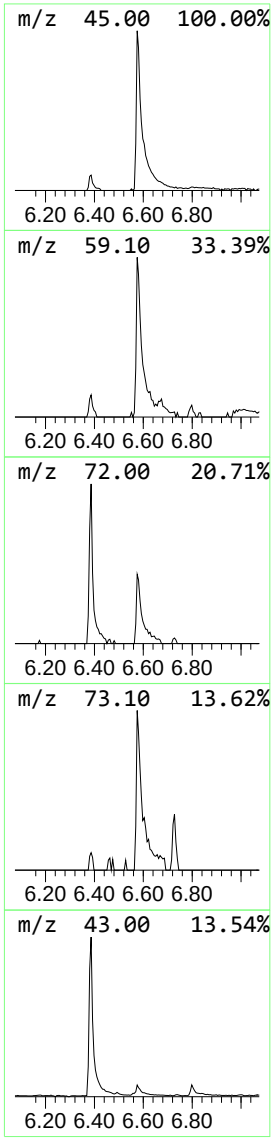
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.575	4.80 ng	147276	1,4-Dichlorobenzene-d4	6.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
2	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	64
3	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	38
4	Ethanol, 2,2'-oxybis-	106	C4H10O3	000111-46-6	37
5	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
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Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-F1-5.0-10.0

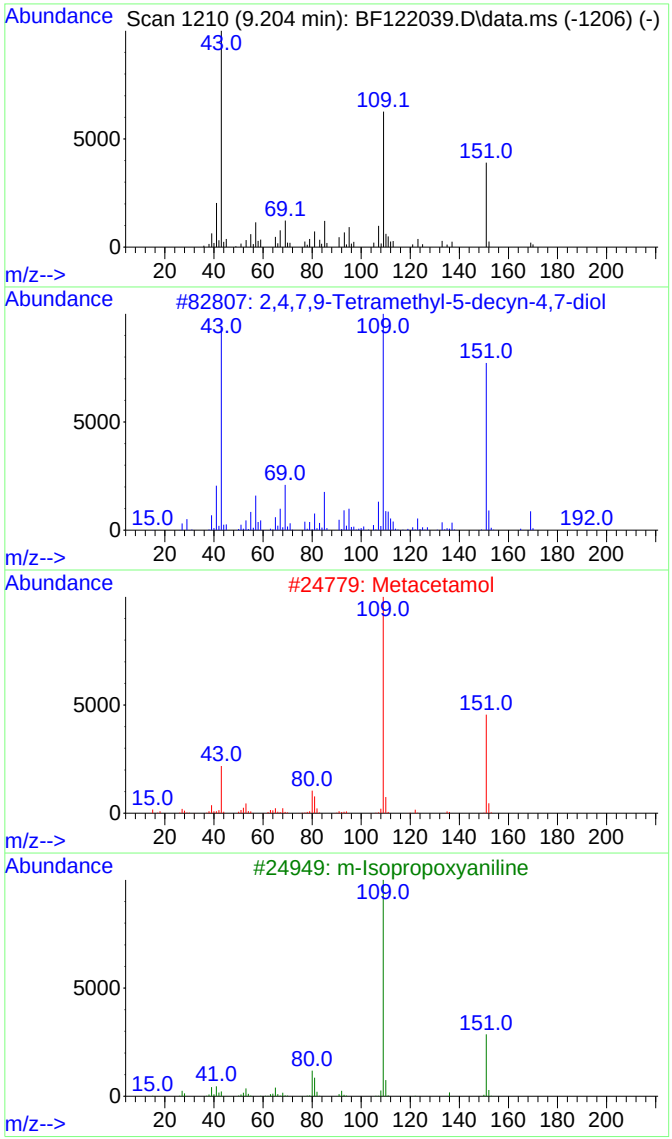
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

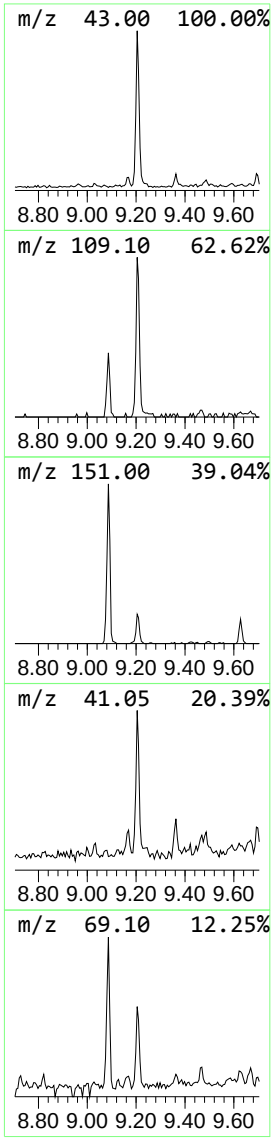
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.204	2.72 ng	112792	Acenaphthene-d10	9.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	86
2	Metacetamol	151	C8H9NO2	000621-42-1	47
3	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	38
4	2,4-Heptadienal, 2,4-dimethyl-	138	C9H14O	042452-48-2	35
5	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
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Sample : L4461-01
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Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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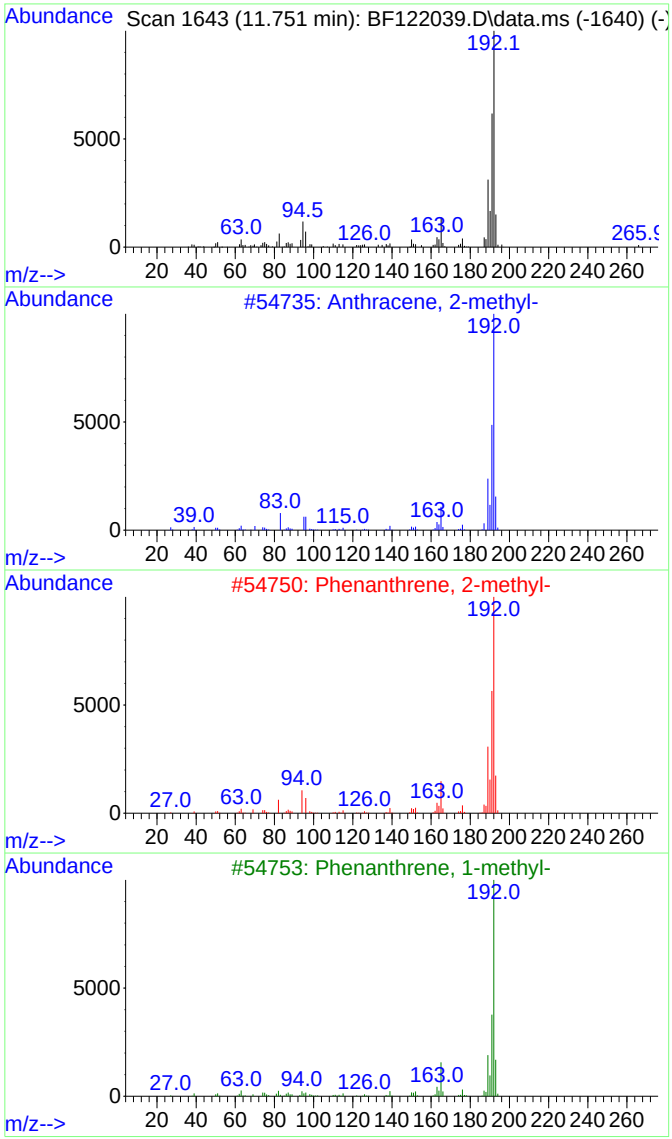
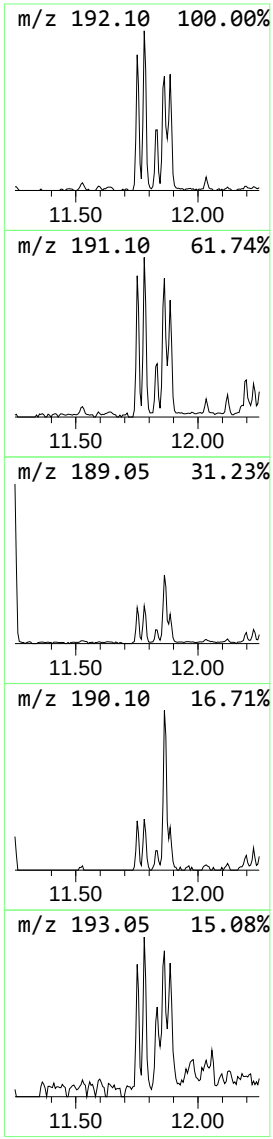
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.751	3.19 ng	114475	Phenanthrene-d10	11.251

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	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

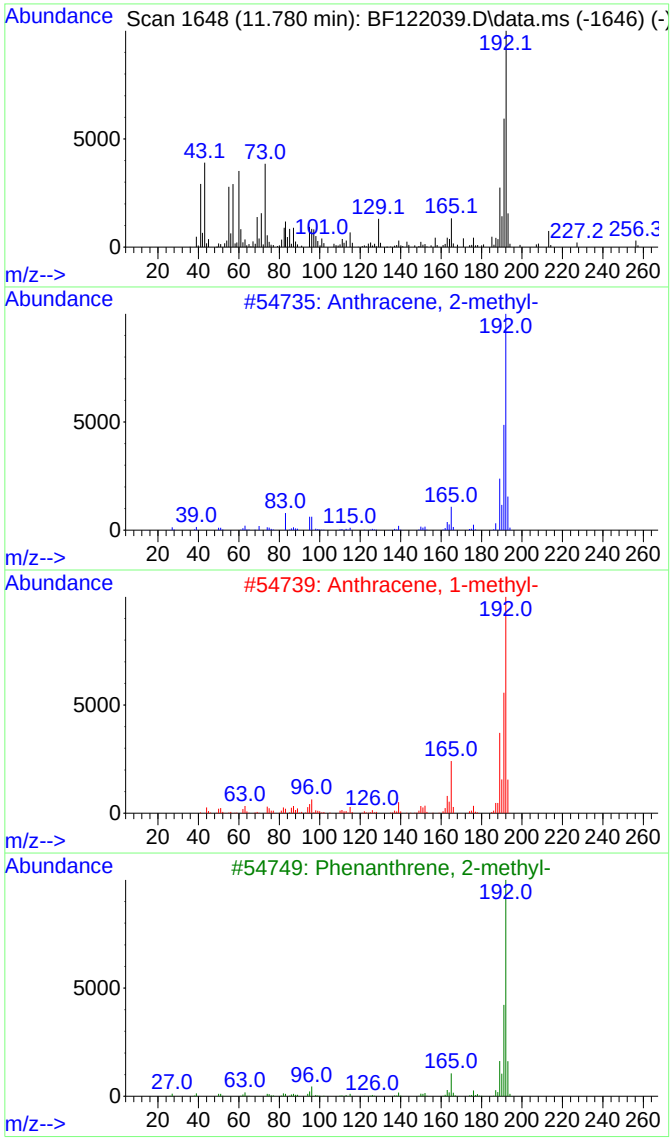
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

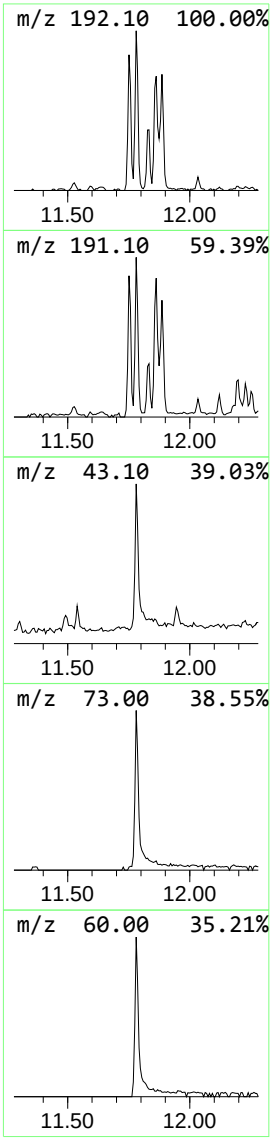
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	6.77 ng	242692	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

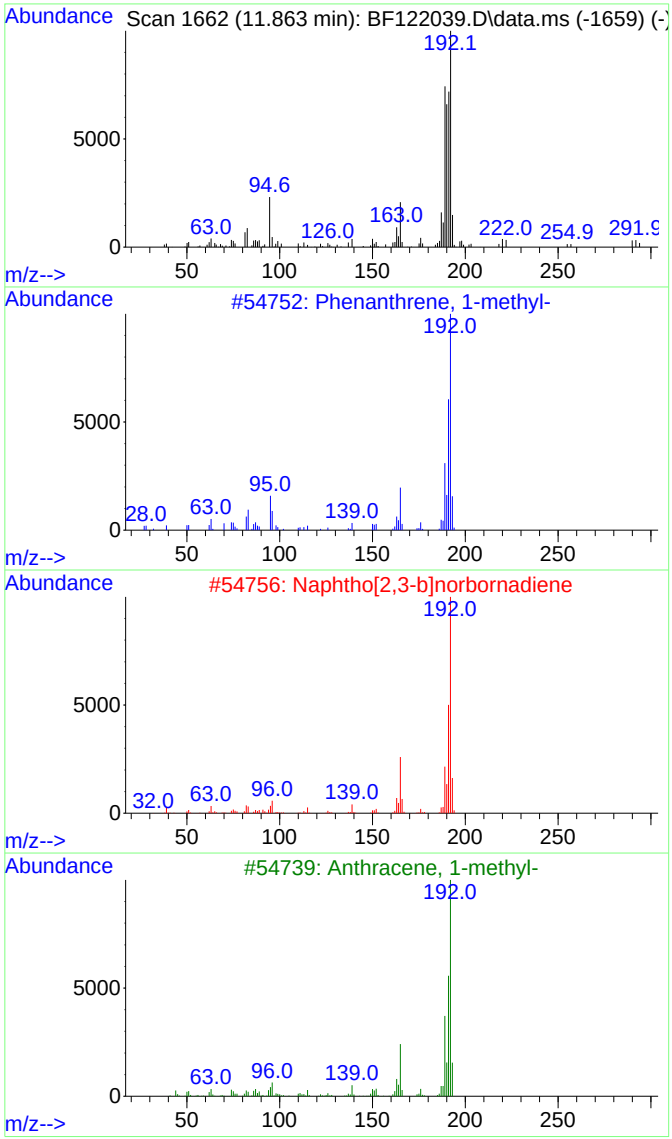
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

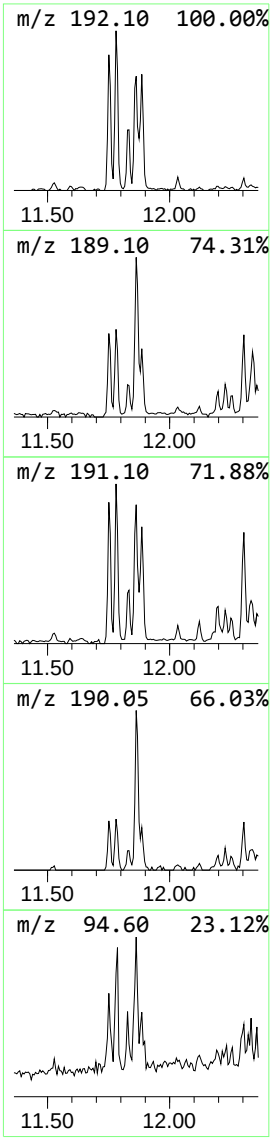
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	4.07 ng	145941	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

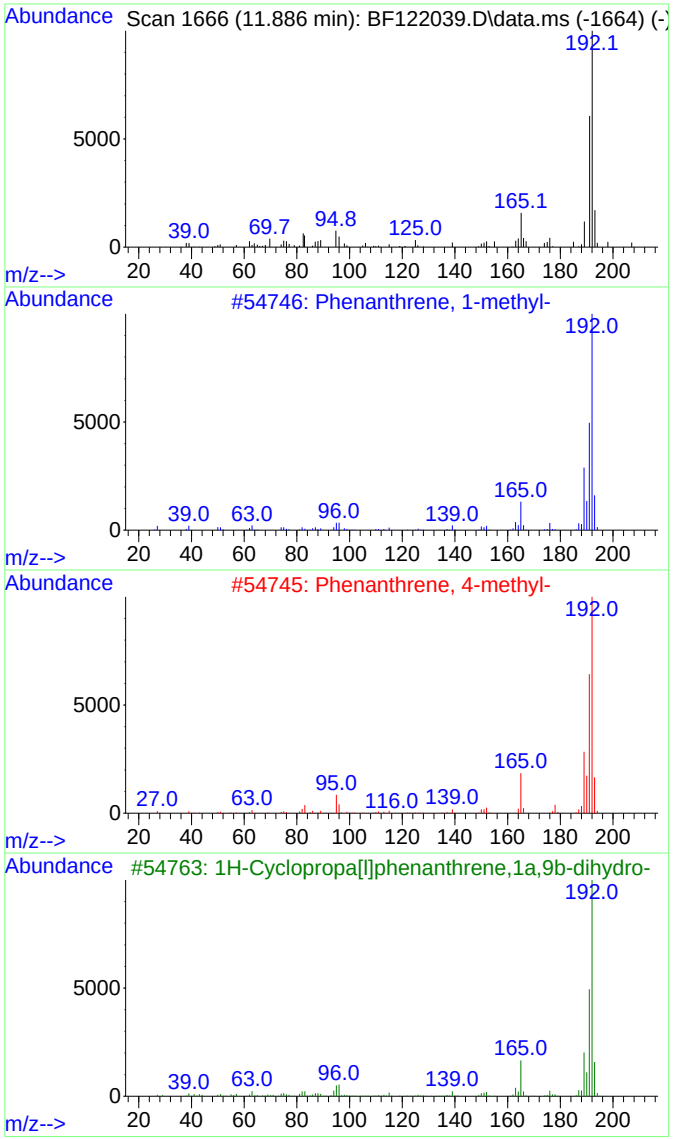
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

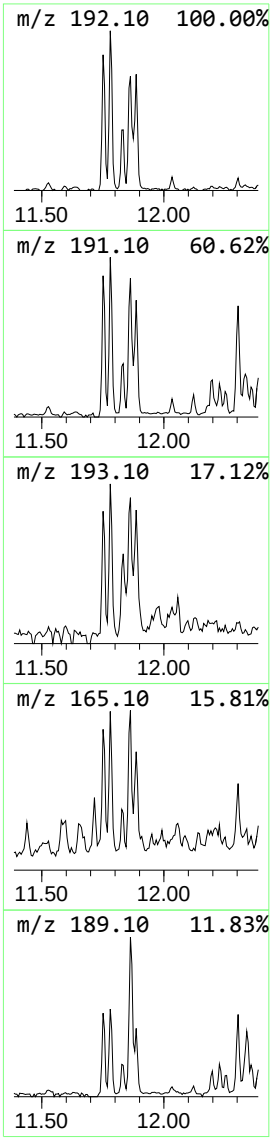
****

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	2.60 ng	93326	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

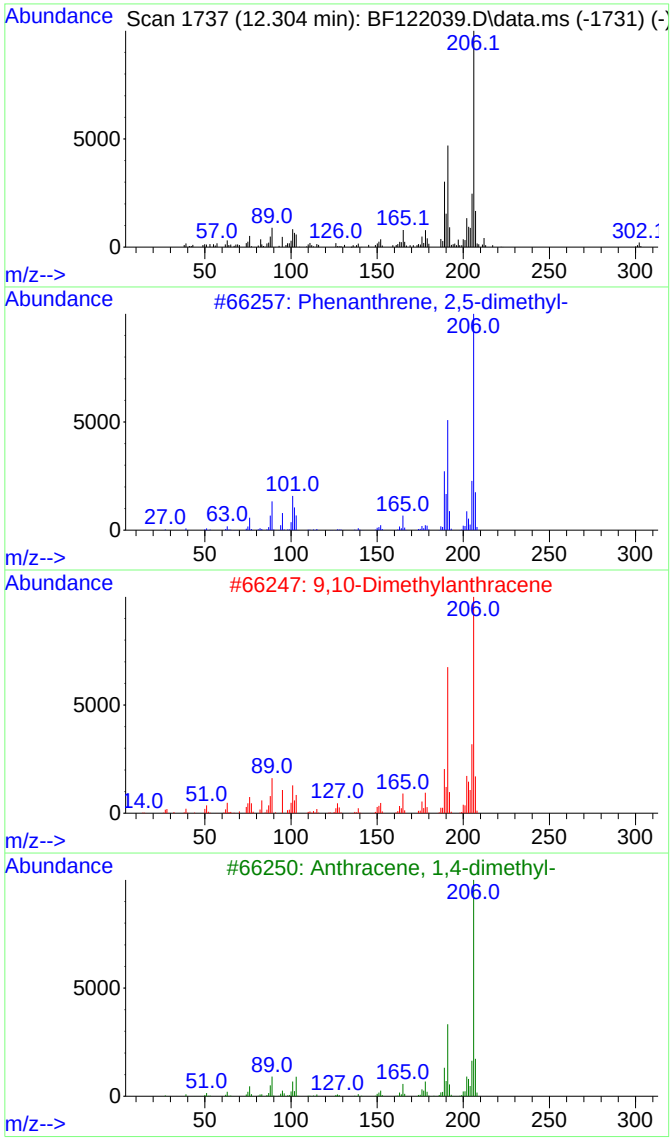
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

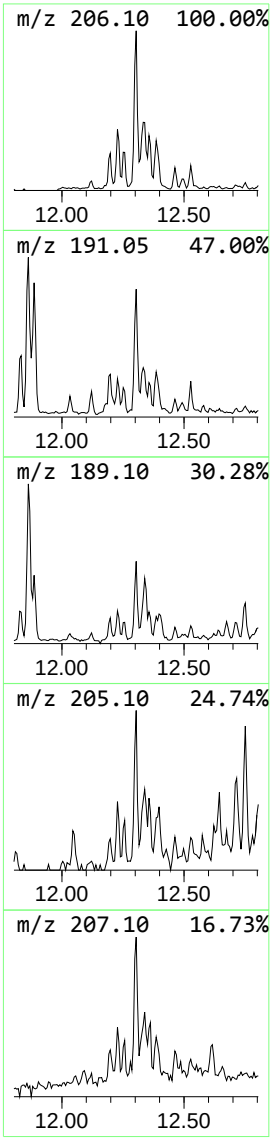
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	4.90 ng	175548	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

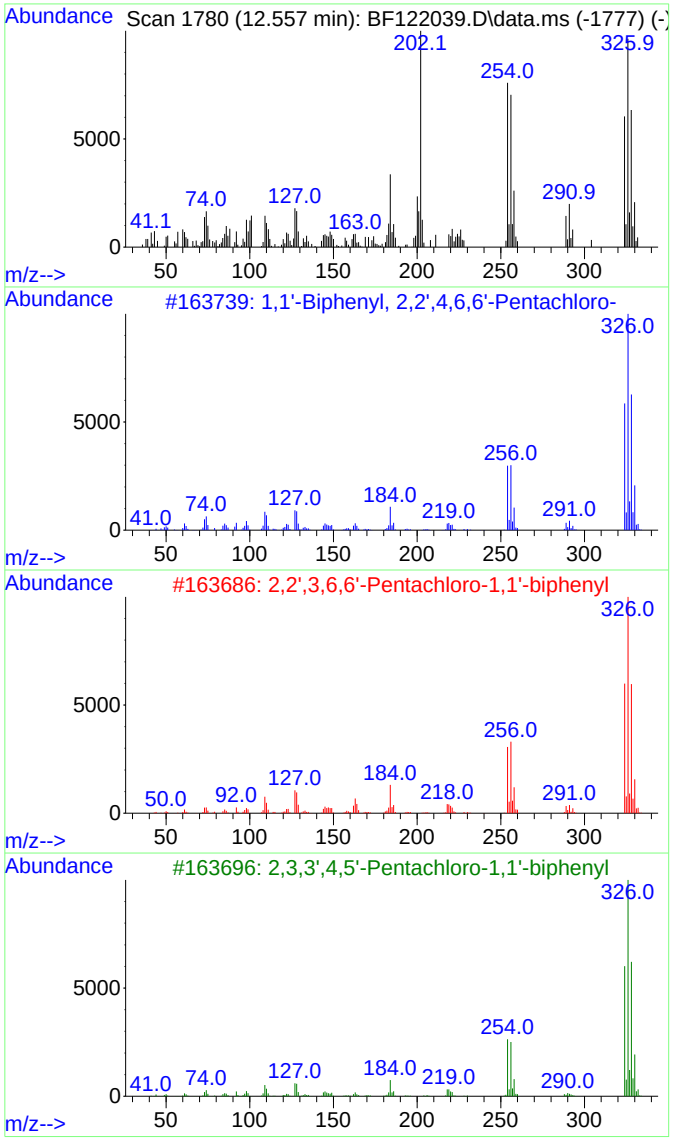
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

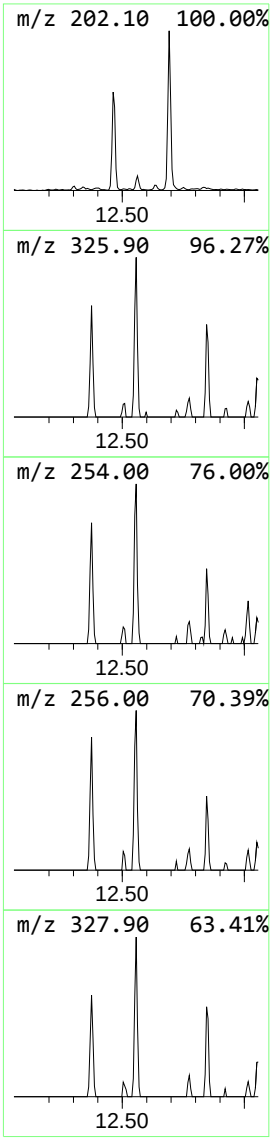
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,1'-Biphenyl, 2,2',4,6,6'-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.557	4.02 ng	144225	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
2	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	99
3	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	98
4	2,3,3',5,6-Pentachloro-1,1'-biph...	324	C12H5Cl5	074472-36-9	97
5	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96





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Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

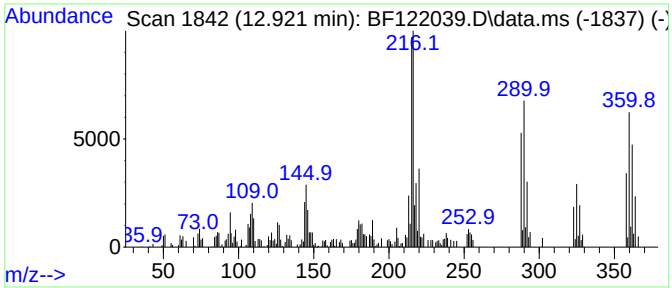
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

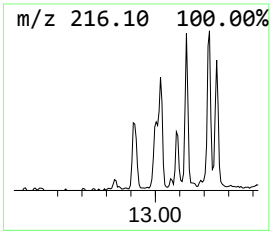
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

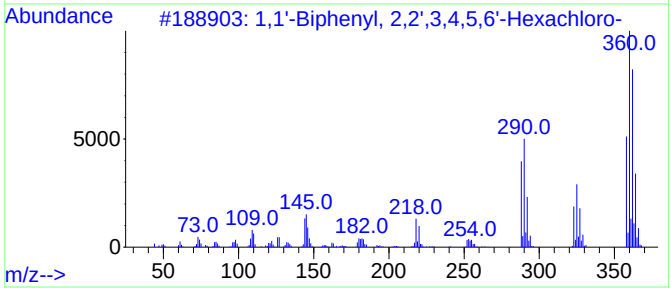
****
Peak Number 9 1,1'-Biphenyl, 2,2',3,4,5,6... Concentration Rank 11

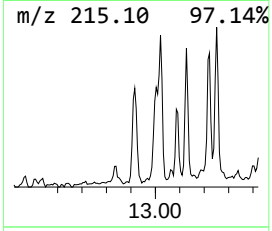
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.921	3.95 ng	199105	Chrysene-d12	13.892

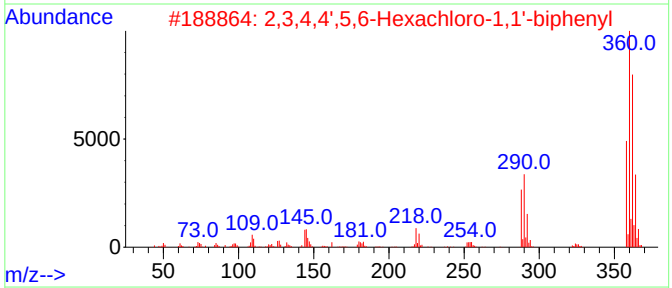
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	97
2	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	97
3	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	97
4	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	97
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	97

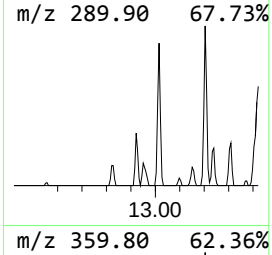


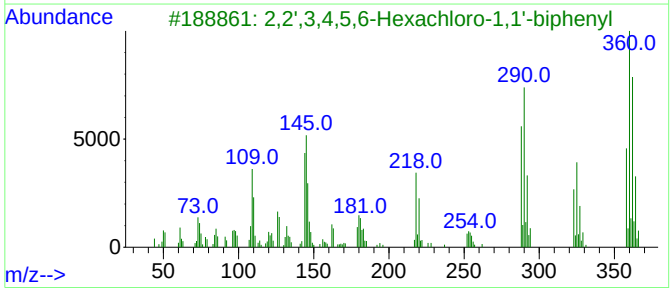


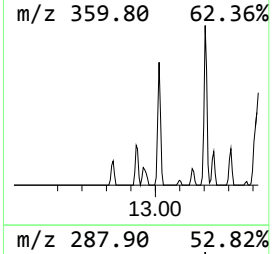


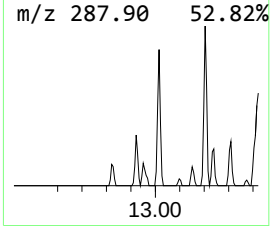












Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

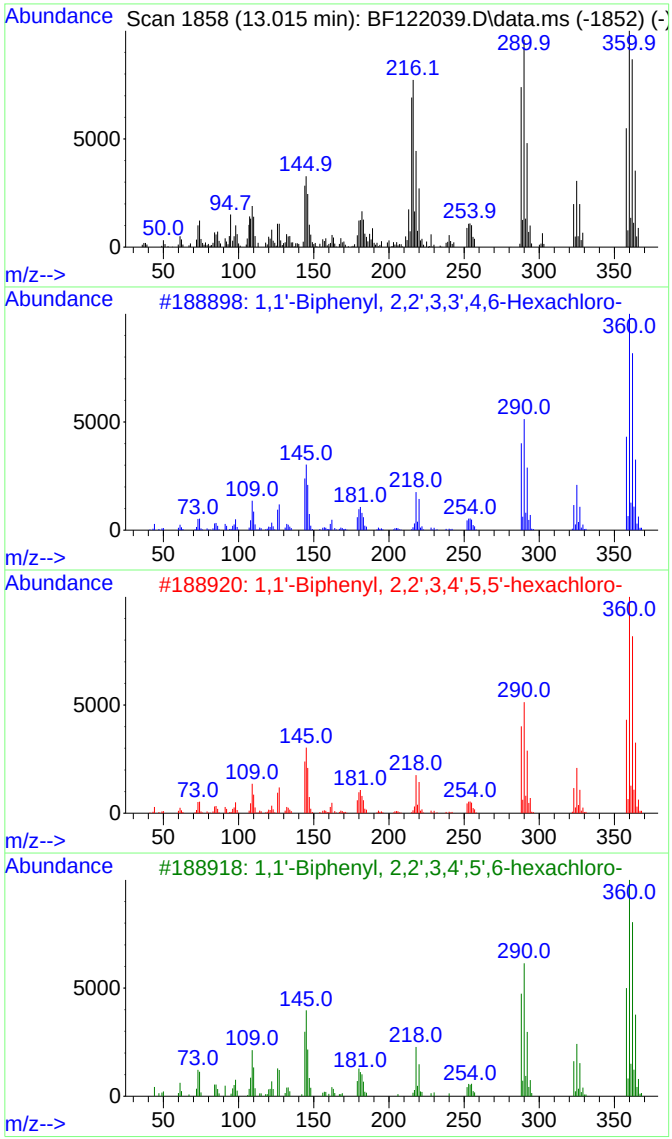
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

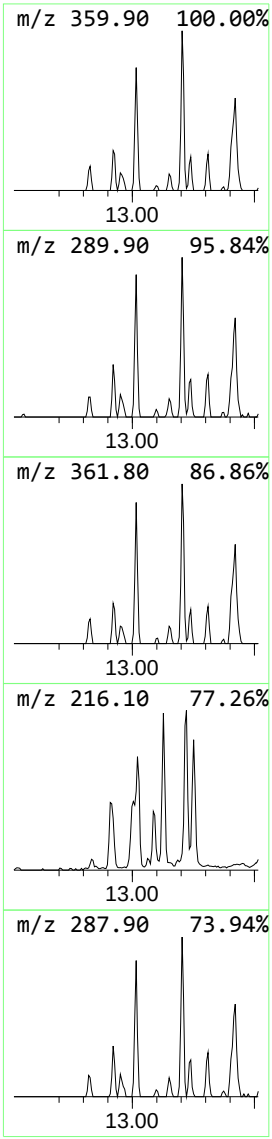
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.015	7.35 ng	370603	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
4	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99





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Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

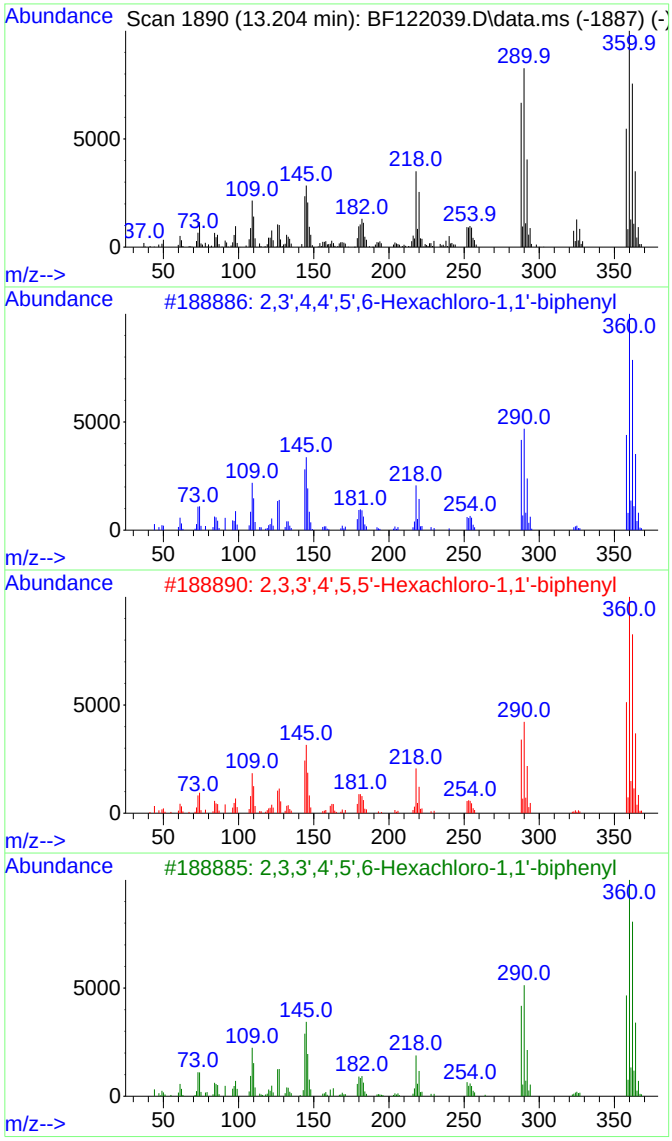
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

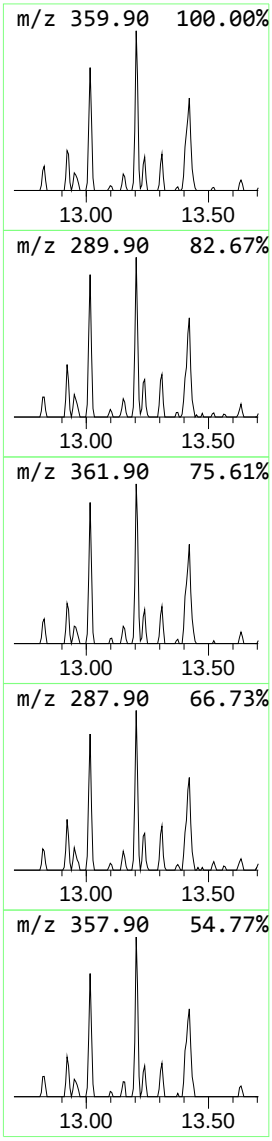
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	6.31 ng	317908	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
2	2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99
3	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99
4	2,2',3,4',6,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	068194-08-1	99
5	2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99





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Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

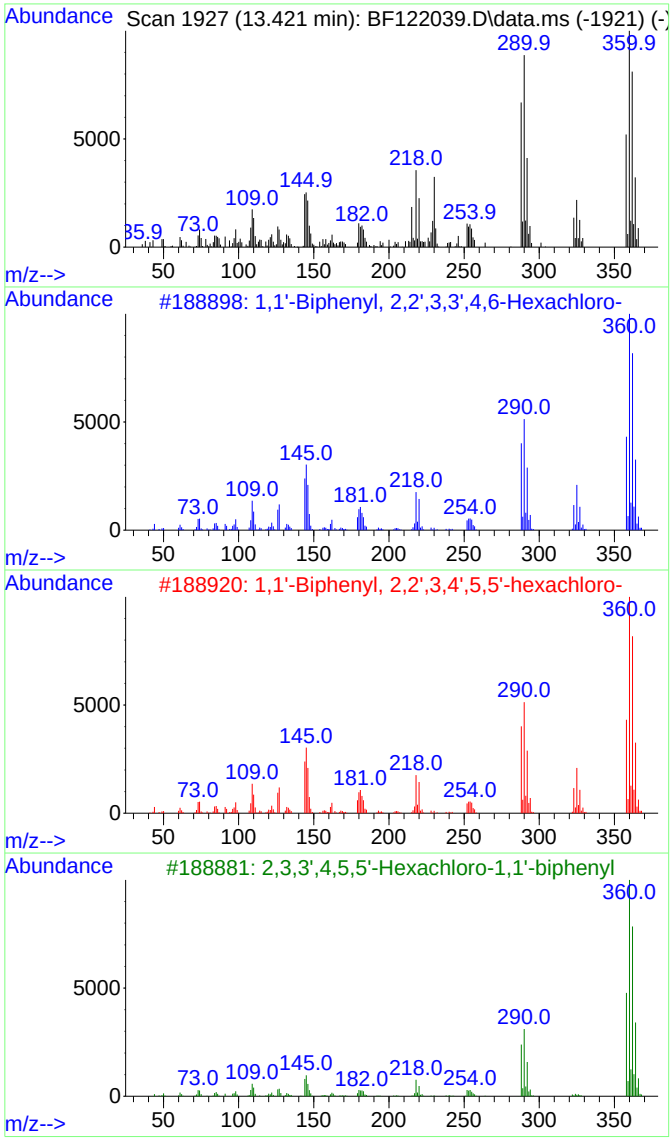
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

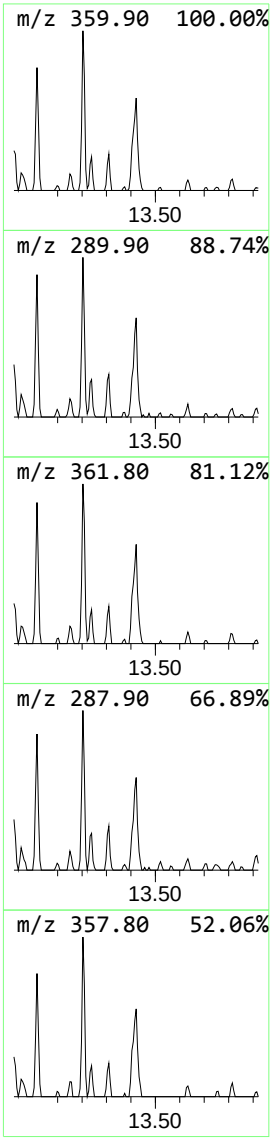
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.421	6.41 ng	323143	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3	2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99
4	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
5	2,2',3,5,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-09-2	99





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

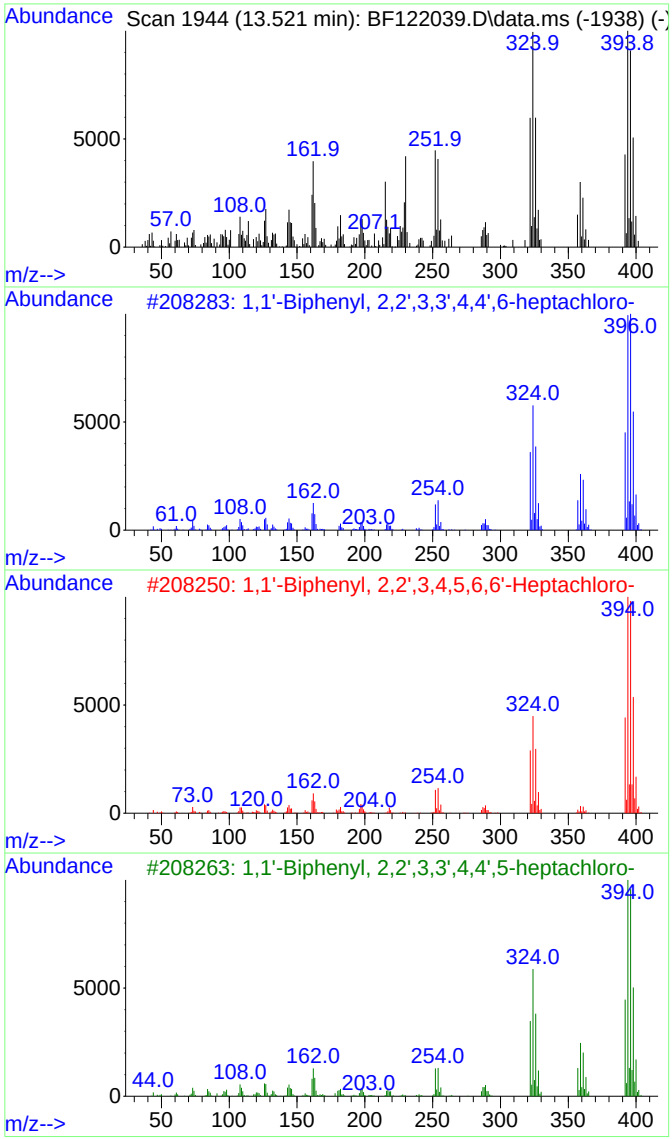
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

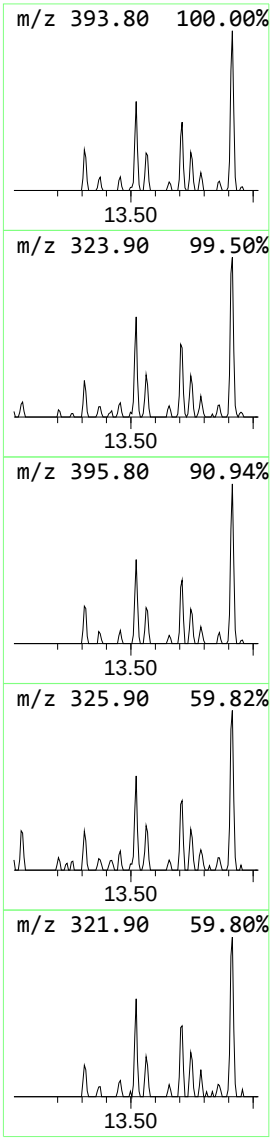
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.521	4.80 ng	241951	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
2	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
4	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
5	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99





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ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

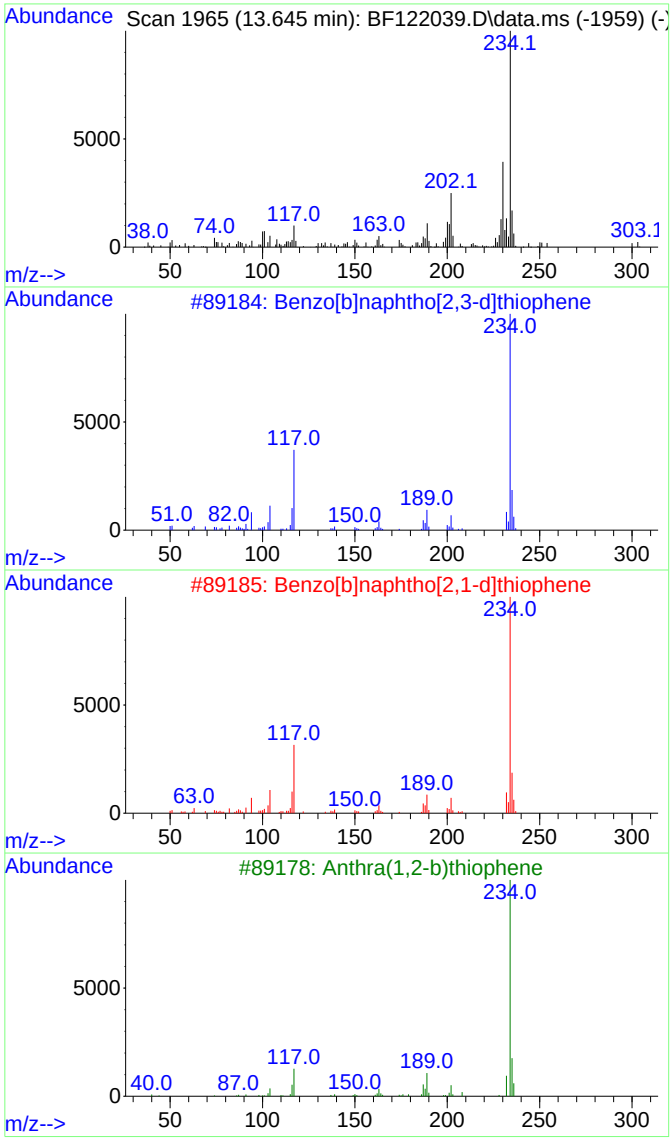
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

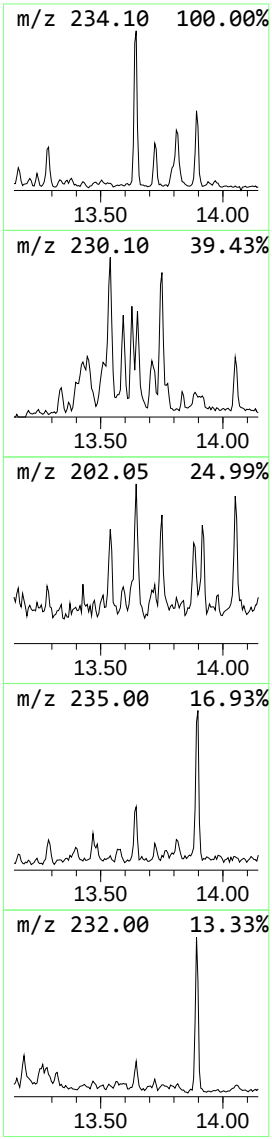
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.645	2.97 ng	149573	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	60
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	60
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	46
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	38
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	38





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Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-F1-5.0-10.0

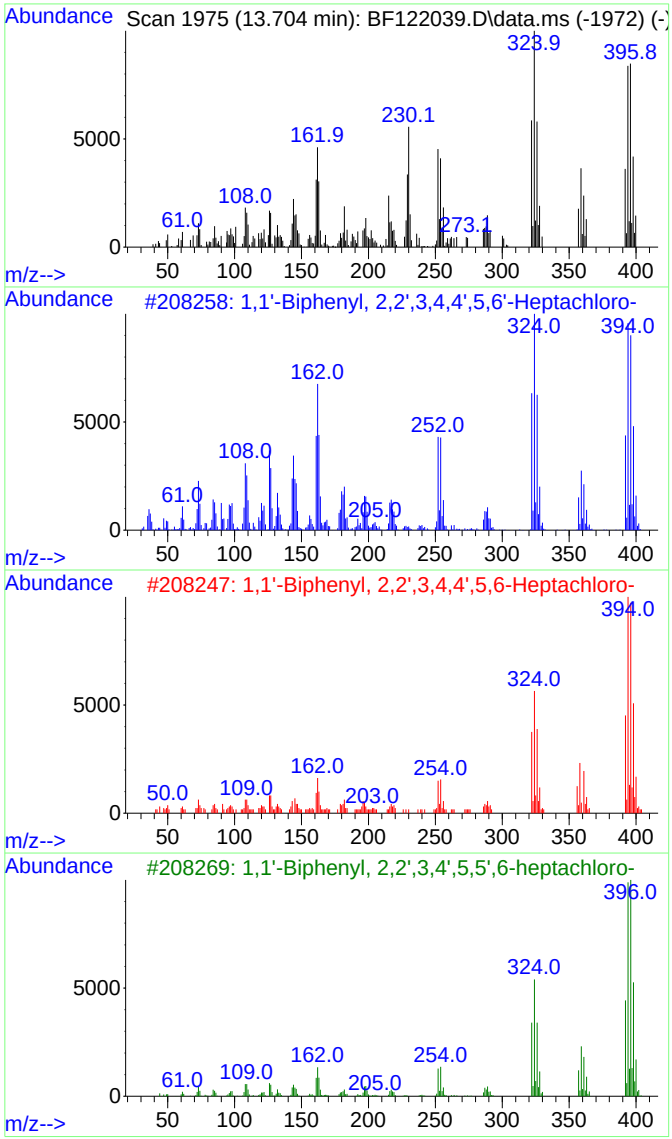
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

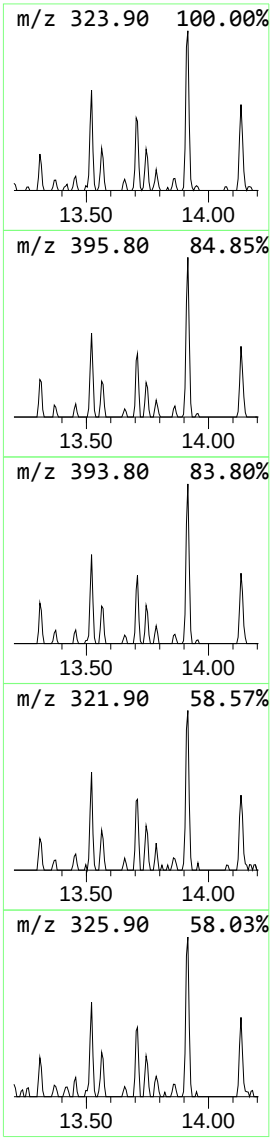
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.704	2.94 ng	148430	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99
3	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
4	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
5	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99





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Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

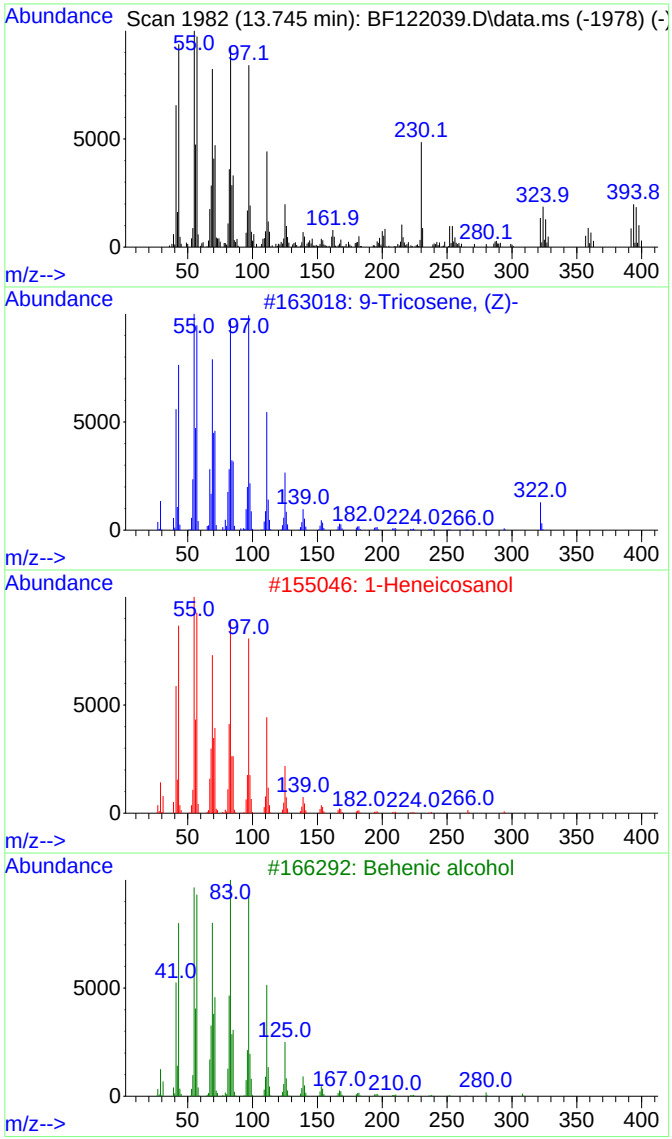
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

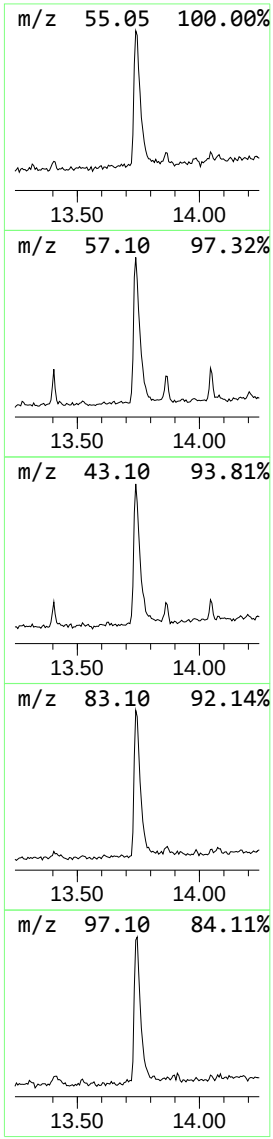
****

Peak Number 16 9-Tricosene, (Z)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	12.34 ng	622052	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	93
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	93





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Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

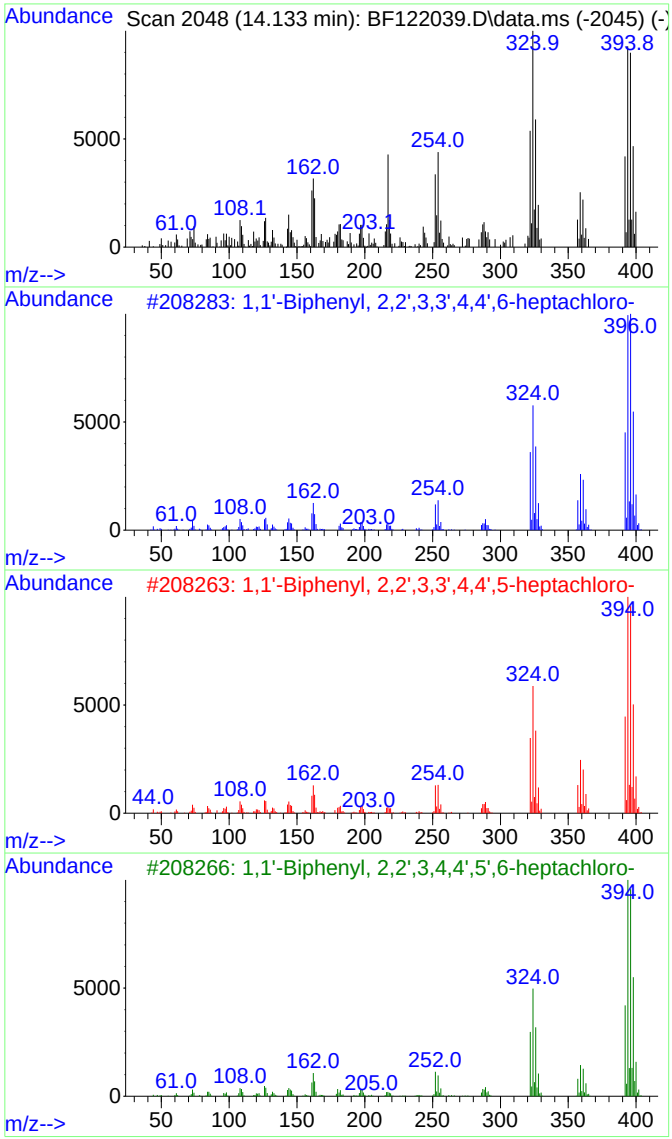
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

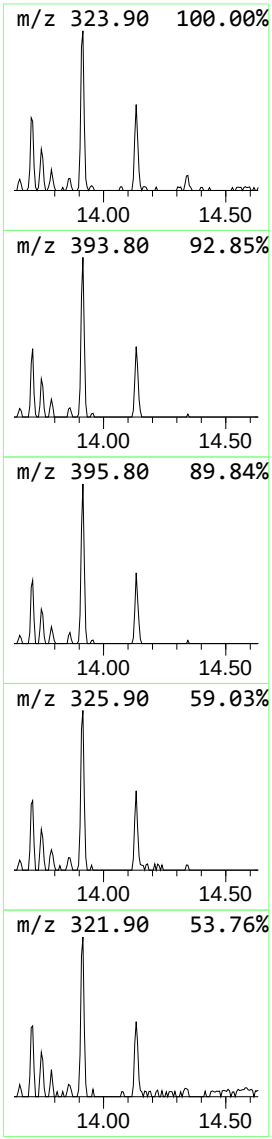
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.133	2.80 ng	141409	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
3	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99
4	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99
5	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99





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Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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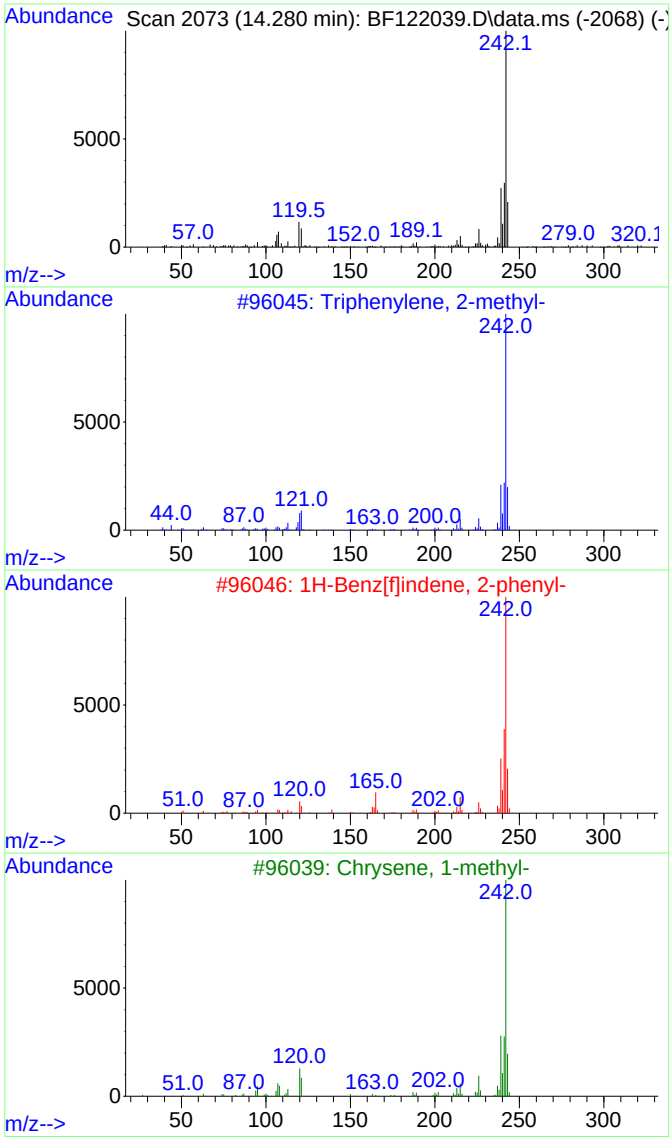
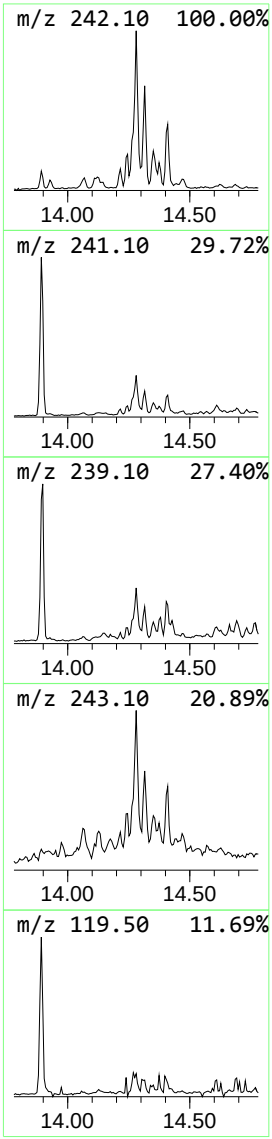
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.280	3.07 ng	154893	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	94
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-F1-5.0-10.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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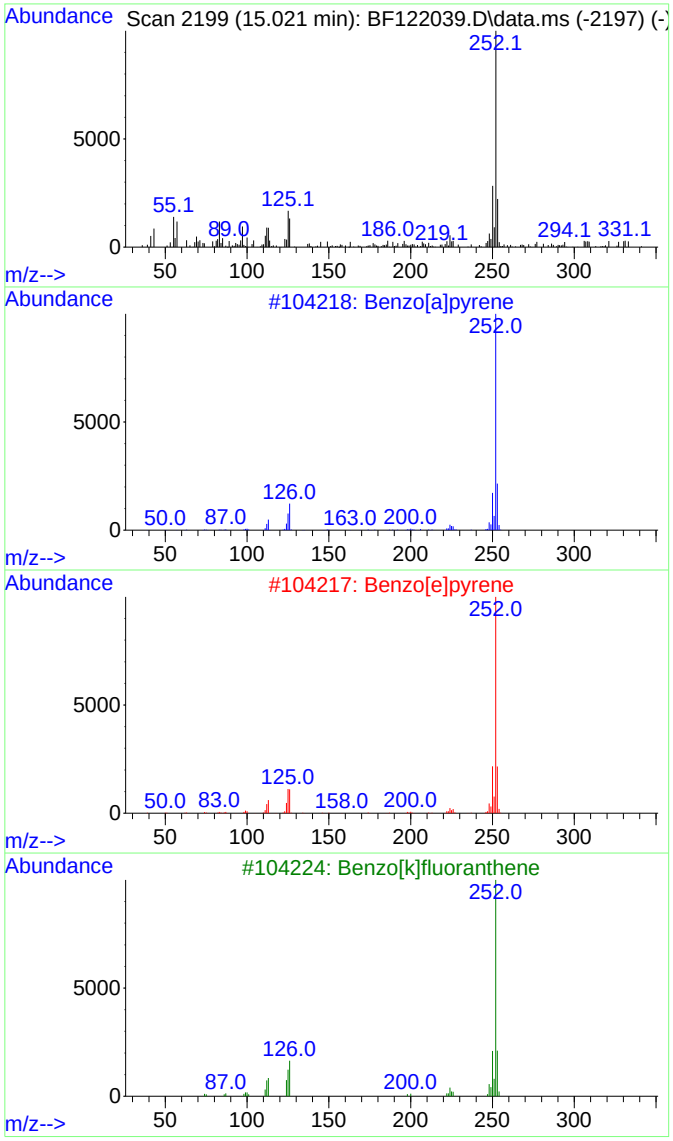
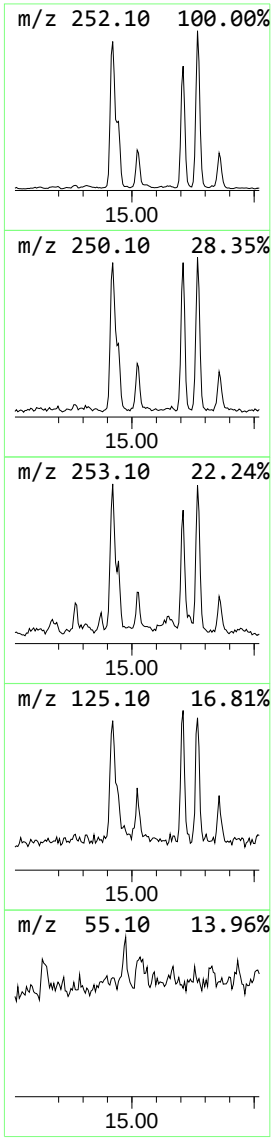
Peak Number 19 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.021	2.69 ng	96624	Perylene-d12	15.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-F1-5.0-10.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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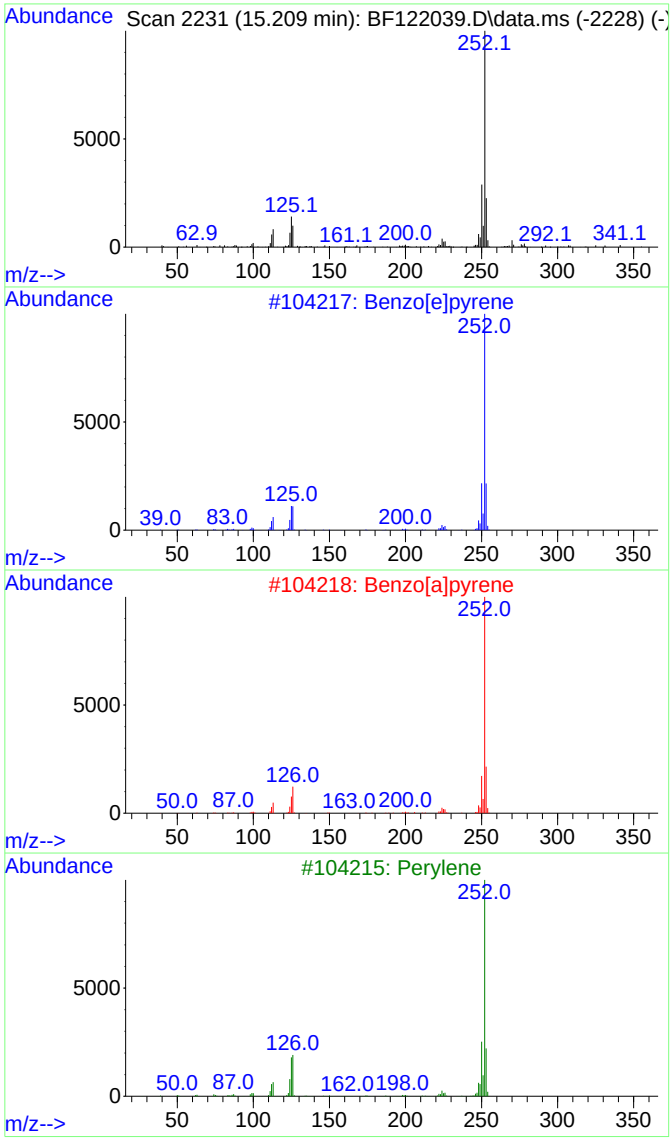
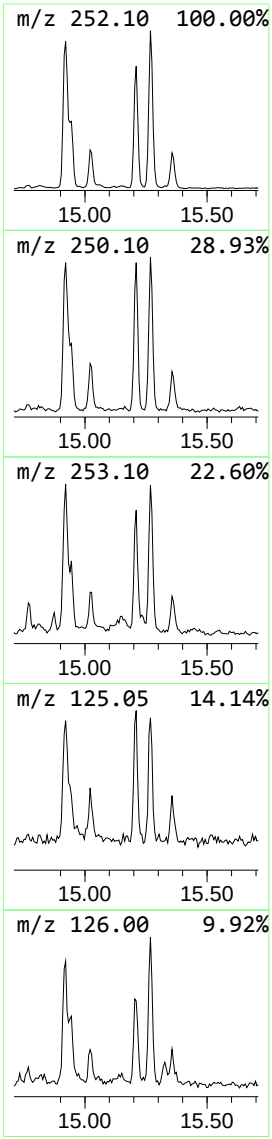
Peak Number 20 Perylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.210	3.89 ng	139846	Perylene-d12	15.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122039.D
Acq On : 20 Oct 2020 20:11
Operator : JU/CG
Sample : L4461-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-F1-5.0-10.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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
Ethanol, 2-(2-e...	6.575	4.8	ng	147276	1	6.728	613220	20.0
2,4,7,9-Tetrame...	9.204	2.7	ng	112792	3	9.763	828710	20.0
Anthracene, 2-m...	11.751	3.2	ng	114475	4	11.251	717094	20.0
Anthracene, 1-m...	11.780	6.8	ng	242692	4	11.251	717094	20.0
Phenanthrene, 1...	11.863	4.1	ng	145941	4	11.251	717094	20.0
Phenanthrene, 4...	11.886	2.6	ng	93326	4	11.251	717094	20.0
Phenanthrene, 2...	12.304	4.9	ng	175548	4	11.251	717094	20.0
1,1'-Biphenyl, ...	12.557	4.0	ng	144225	4	11.251	717094	20.0
1,1'-Biphenyl, ...	12.921	4.0	ng	199105	5	13.892	1008400	20.0
1,1'-Biphenyl, ...	13.015	7.3	ng	370603	5	13.892	1008400	20.0
2,3',4,4',5',6-...	13.204	6.3	ng	317908	5	13.892	1008400	20.0
1,1'-Biphenyl, ...	13.421	6.4	ng	323143	5	13.892	1008400	20.0
1,1'-Biphenyl, ...	13.521	4.8	ng	241951	5	13.892	1008400	20.0
Benzo[b]naphtho...	13.645	3.0	ng	149573	5	13.892	1008400	20.0
1,1'-Biphenyl, ...	13.704	2.9	ng	148430	5	13.892	1008400	20.0
9-Tricosene, (Z)-	13.745	12.3	ng	622052	5	13.892	1008400	20.0
1,1'-Biphenyl, ...	14.133	2.8	ng	141409	5	13.892	1008400	20.0
Triphenylene, 2...	14.280	3.1	ng	154893	5	13.892	1008400	20.0
Benzo[e]pyrene	15.021	2.7	ng	96624	6	15.327	718390	20.0
Perylene	15.210	3.9	ng	139846	6	15.327	718390	20.0