LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHRT-20426

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122749.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.252	24	28	37	rVB	65690	89228	1.69%	0.188%
2	5.057	498	505	514	rBV	68179	109697	2.08%	0.231%
3	5.440	566	570	574	rBV	3661817	4089018	77.40%	8.601%
4	6.451	737	742	745	rBV	3662029	4356170	82.46%	9.163%
5	6.645	772	775	780	rBV3	112935	137866	2.61%	0.290%
6	6.816	800	804	811	rVB	1443342	1188215	22.49%	2.499%
7	7.381	894	900	903	rBV	2711697	2908665	55.06%	6.118%
8	7.675	947	950	955	rVB	86731	76235	1.44%	0.160%
9	8.098	1017	1022	1030	rBV	1755326	1720597	32.57%	3.619%
10	8.316	1055	1059	1062	rBV	96424	72417	1.37%	0.152%
11	8.375	1066	1069	1072	rBV	104530	83962	1.59%	0.177%
12	8.810	1137	1143	1147	rVB2	97115	104684	1.98%	0.220%
13	8.910	1157	1160	1164	rVB2	74400	63036	1.19%	0.133%
14	9.181	1199	1206	1209	rBV	5271781	5282735	100.00%	11.111%
15	9.510	1259	1262	1265	rBV	65984	67078	1.27%	0.141%
16	9.569	1269	1272	1276	rVB	514801	421137	7.97%	0.886%
17	9.716	1294	1297	1301	rBV	118254	97373	1.84%	0.205%
18	9.857	1314	1321	1324	rBV	2159047	1947023	36.86%	4.095%
19	9.886	1324	1326	1329	rVB2	62822	53492	1.01%	0.113%
20	10.057	1351	1355	1359	rBV	72043	64212	1.22%	0.135%
21	10.263	1385	1390	1392	rBV2	45118	57841	1.09%	0.122%
22	10.398	1410	1413	1420	rVB3	75359	86916	1.65%	0.183%
23	10.645	1450	1455	1458	rBV	3459789	3452747	65.36%	7.262%
24	10.769	1470	1476	1482	rVB4	98315	165204	3.13%	0.347%
25	10.951	1502	1507	1509	rBV3	37607	53561	1.01%	0.113%
26	11.145	1537	1540	1543	rBV3	71455	68775	1.30%	0.145%
27	11.210	1544	1551	1553	rVV4	70969	114630	2.17%	0.241%
28	11.239	1553	1556	1561	rVB	90148	101070	1.91%	0.213%
29	11.339	1569	1573	1575	rBV	2064796	1832464	34.69%	3.854%
30	11.363	1575	1577	1581	rVV	785546	605364	11.46%	1.273%
31	11.416	1583	1586	1589	rVB	151700	120866	2.29%	0.254%
32	11.451	1589	1592	1595	rBV2	44871	56090	1.06%	0.118%
33	11.633	1621	1623	1626	rVB	82859	59443	1.13%	0.125%
34	11.669	1626	1629	1635	rVB	99401	97187	1.84%	0.204%
35	11.839	1655	1658	1661	rBV	205521	208056	3.94%	0.438%
36	11.869	1661	1663	1669	rVB	565533	551149	10.43%	1.159%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHRT-20426

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.951	1674	1677	1679	rVV2	319786	324794	6.15%	0.683%
38	11.974	1679	1681	1686	rVB	185264	159556	3.02%	0.336%
39	12.045	1690	1693	1696	rVB2	59072	57630	1.09%	0.121%
40	12.139	1704	1709	1711	rBV2	119938	153438	2.90%	0.323%
41	12.163	1711	1713	1719	rVB3	101406	115738	2.19%	0.243%
42	12.286	1732	1734	1737	rVB	76518	61236	1.16%	0.129%
43	12.316	1737	1739	1742	rBV	95331	87859	1.66%	0.185%
44	12.392	1749	1752	1755	rBV	272526	272543	5.16%	0.573%
45	12.427	1755	1758	1760	rVV2	173804	184612	3.49%	0.388%
46	12.451	1760	1762	1764	rVB	76861	53888	1.02%	0.113%
47	12.474	1764	1766	1771	rBV2	125308	160846	3.04%	0.338%
48	12.551	1776	1779	1783	rBV	868934	777343	14.71%	1.635%
49	12.598	1784	1787	1789	rBV2	88454	86815	1.64%	0.183%
50	12.663	1793	1798	1803	rBV2	755004	903652	17.11%	1.901%
51	12.780	1813	1818	1821	rBV	1037642	1028368	19.47%	2.163%
52	12.839	1826	1828	1831	rVB2	107425	102632	1.94%	0.216%
53	12.933	1839	1844	1847	rBV	4856764	4935212	93.42%	10.381%
54	12.998	1853	1855	1859	rBV	118902	146491	2.77%	0.308%
55	13.092	1868	1871	1872	rBV3	103482	123424	2.34%	0.260%
56	13.110	1872	1874	1879	rVB	198355	165228	3.13%	0.348%
57	13.216	1889	1892	1896	rBV2	207435	189274	3.58%	0.398%
58	13.310	1905	1908	1910	rVB	162641	144270	2.73%	0.303%
59	13.339	1910	1913	1916	rBV	158351	133488	2.53%	0.281%
60	13.616	1958	1960	1965	rVB	146607	156310	2.96%	0.329%
61	13.727	1977	1979	1982	rVB3	110219	96331	1.82%	0.203%
62	13.827	1994	1996	2000	rVB	115291	97681	1.85%	0.205%
63	13.880	2000	2005	2006	rBV4	147750	243870	4.62%	0.513%
64	13.980	2017	2022	2025	rBV2	1628472	1957552	37.06%	4.117%
65	14.004	2025	2026	2034	rVB	490846	407354	7.71%	0.857%
66	14.368	2086	2088	2091	rVB	162494	124543	2.36%	0.262%
67	14.492	2107	2109	2111	rBV2	116728	98739	1.87%	0.208%
68	14.827	2164	2166	2169	rBV	97257	94328	1.79%	0.198%
69	15.015	2194	2198	2201	rBV	432692	607610	11.50%	1.278%
70	15.315	2246	2249	2255	rVB	279359	334051	6.32%	0.703%
71	15.374	2255	2259	2265	rBV	329412	431166	8.16%	0.907%
72	15.439	2265	2270	2274	rBV	1037501	1323067	25.05%	2.783%
73	16.874	2509	2514	2521	rVB2	170050	318758	6.03%	0.670%
74	17.309	2583	2588	2597	rVB	159464	319149	6.04%	0.671%

Sum of corrected areas: 47543049

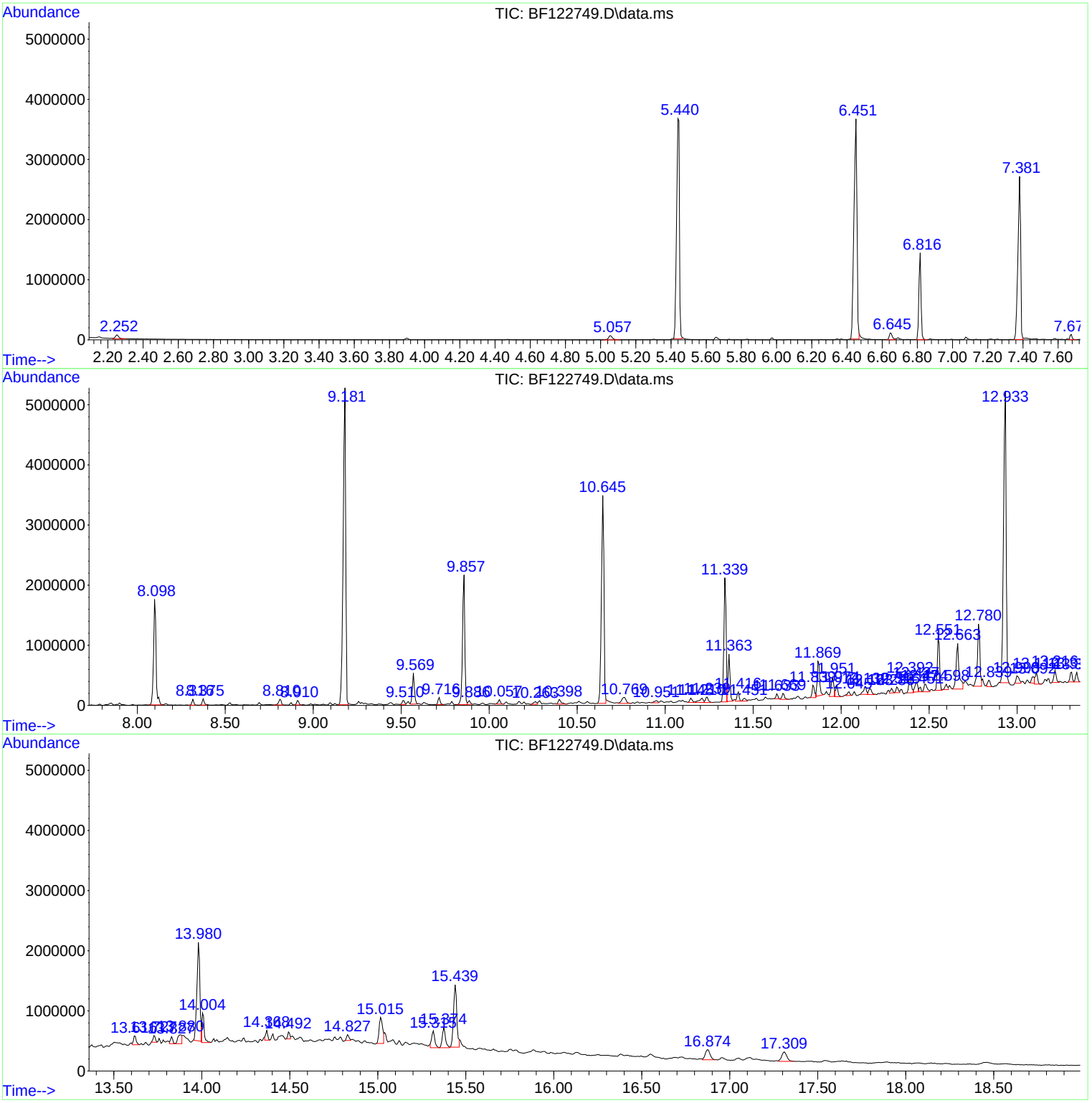
Instrument :
BNA_F
ClientSampleId :
CHRT-20426

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-20426

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHRT-20426

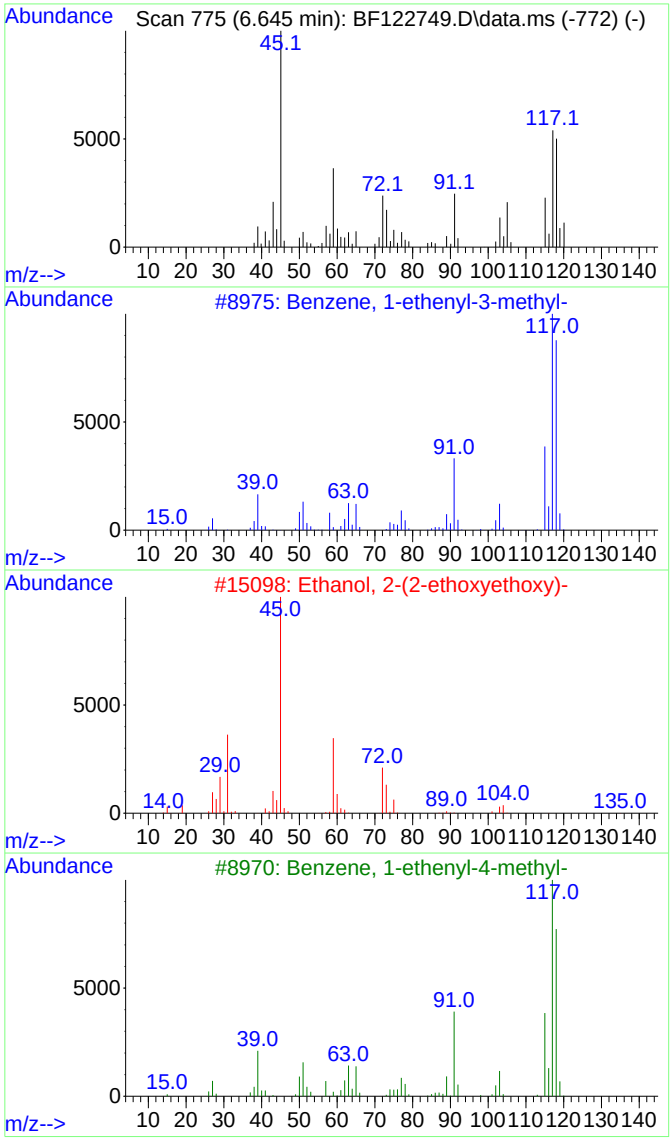
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

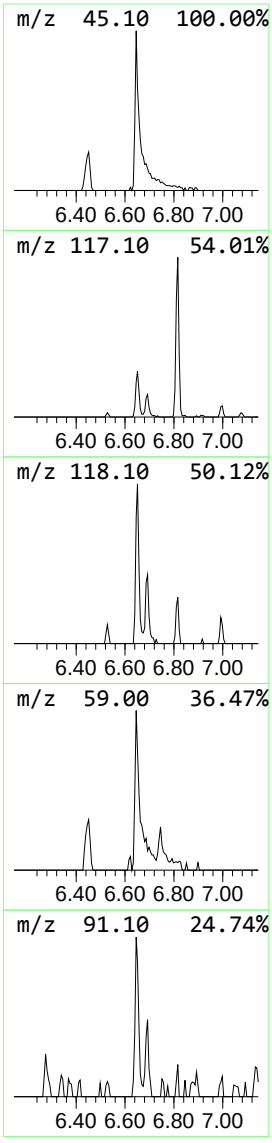
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethenyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.645	2.32 ng	137866	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	91
2	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	38
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	35
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	35
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-20426

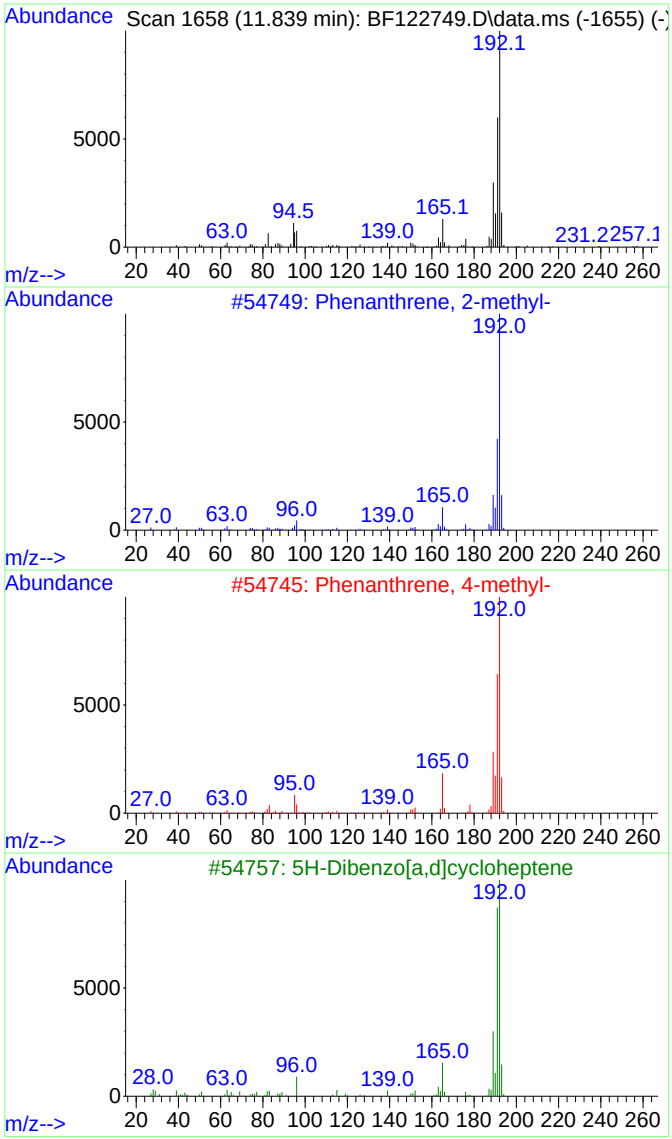
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

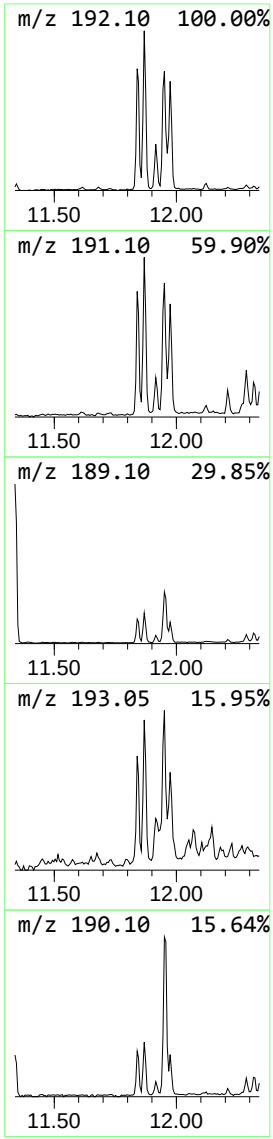
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	2.27 ng	208056	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHRT-20426

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

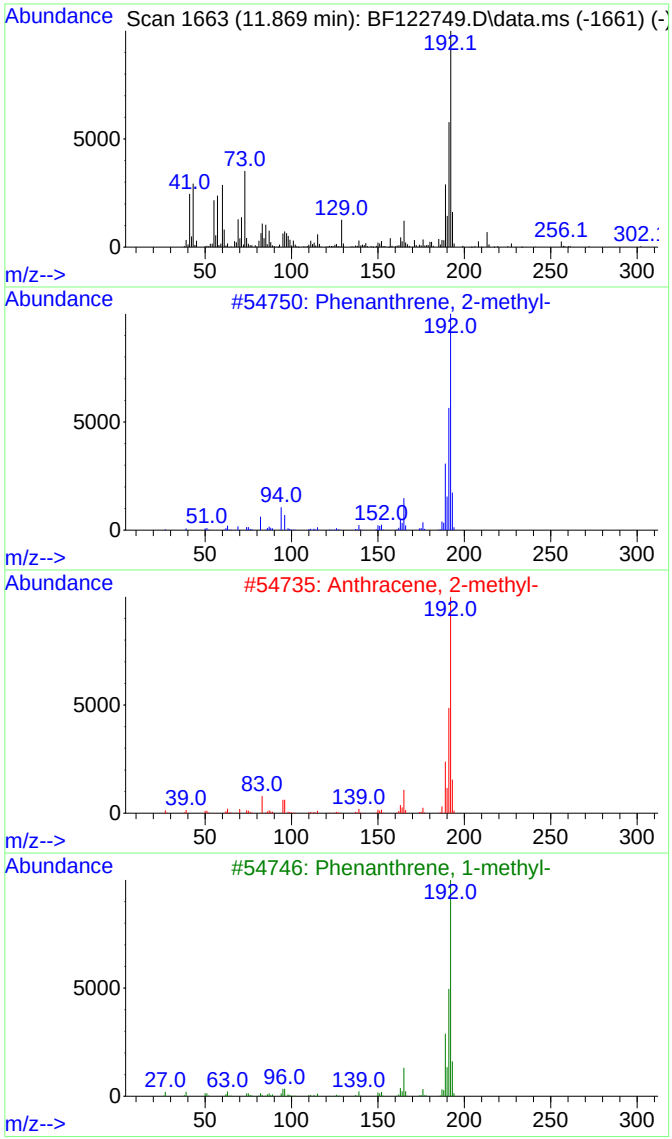
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

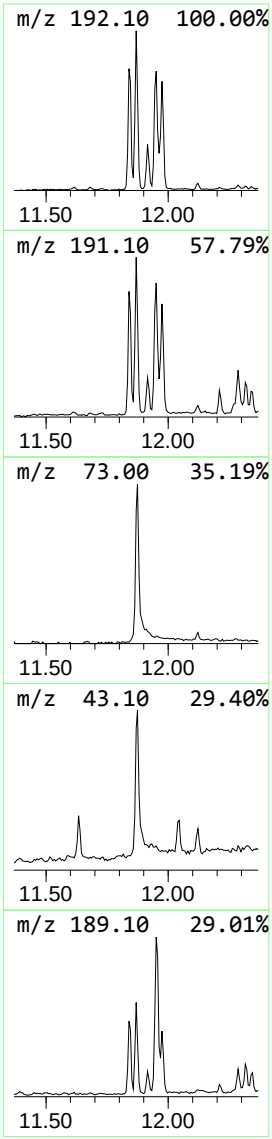
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	6.02 ng	551149	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHRT-20426

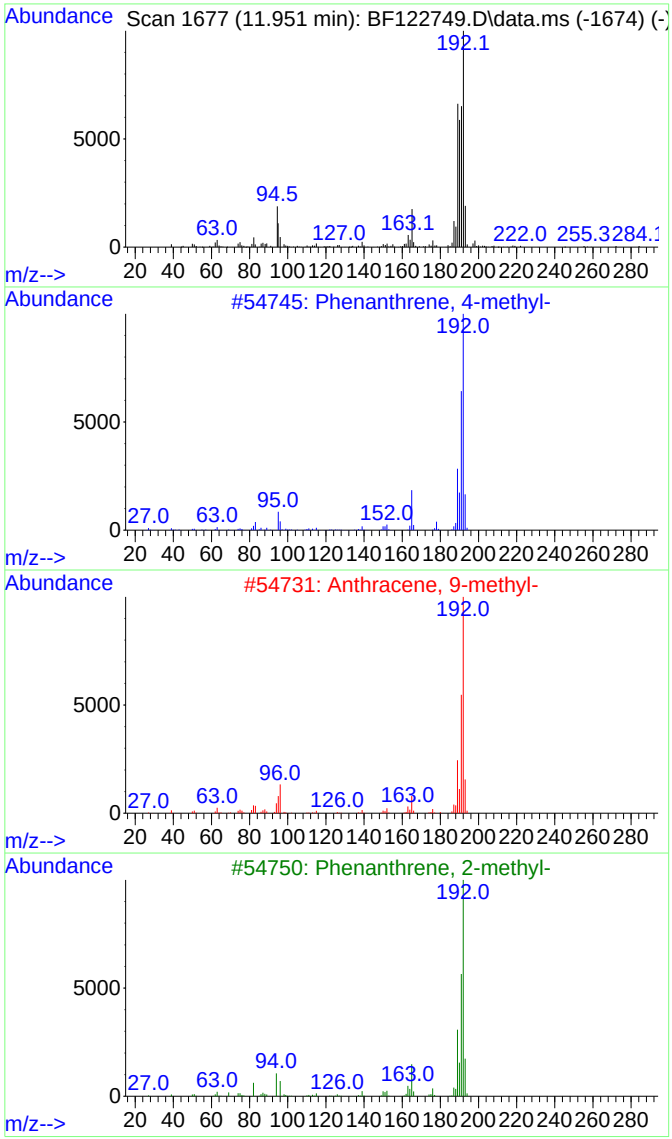
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

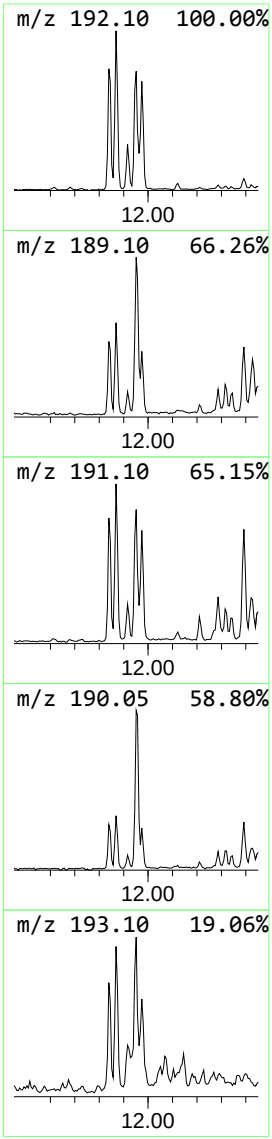
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	3.54 ng	324794	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	78
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHRT-20426

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

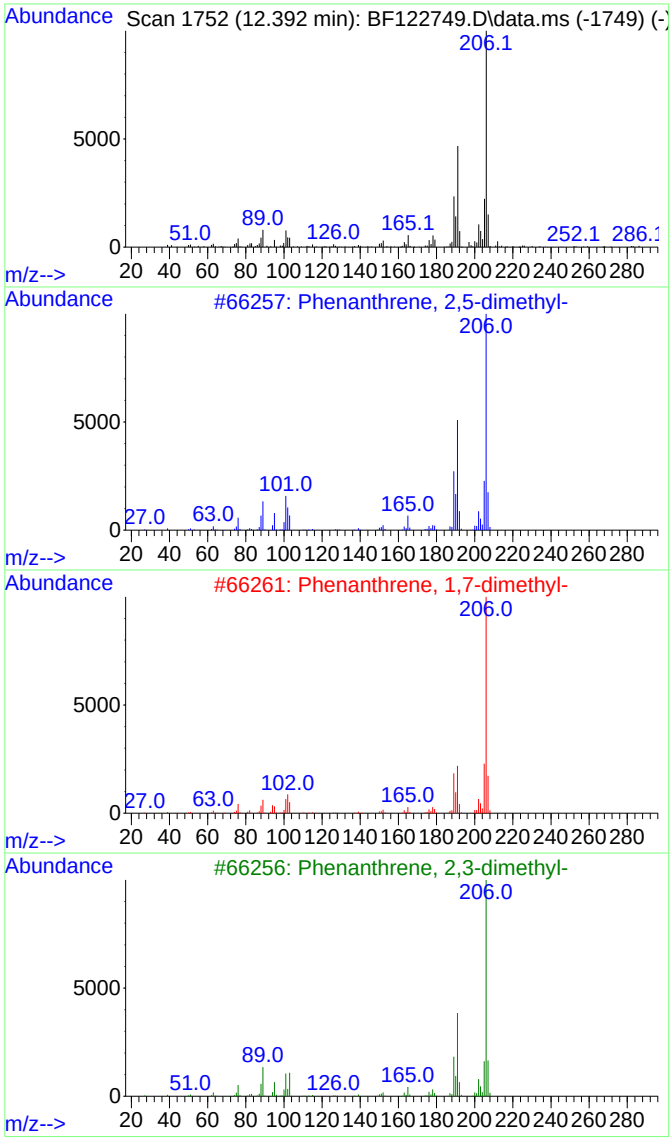
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

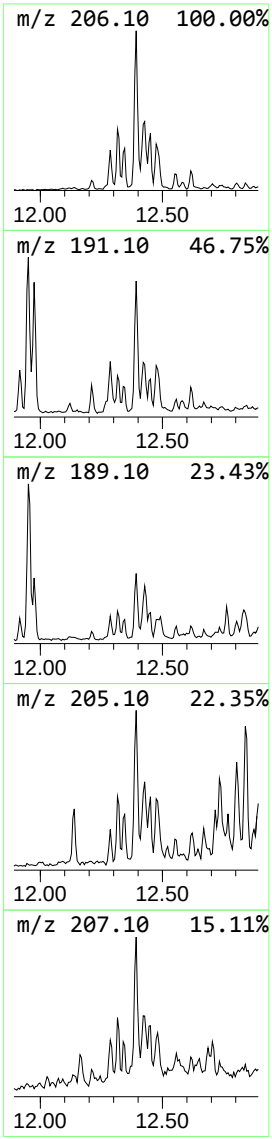
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	2.97 ng	272543	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-20426

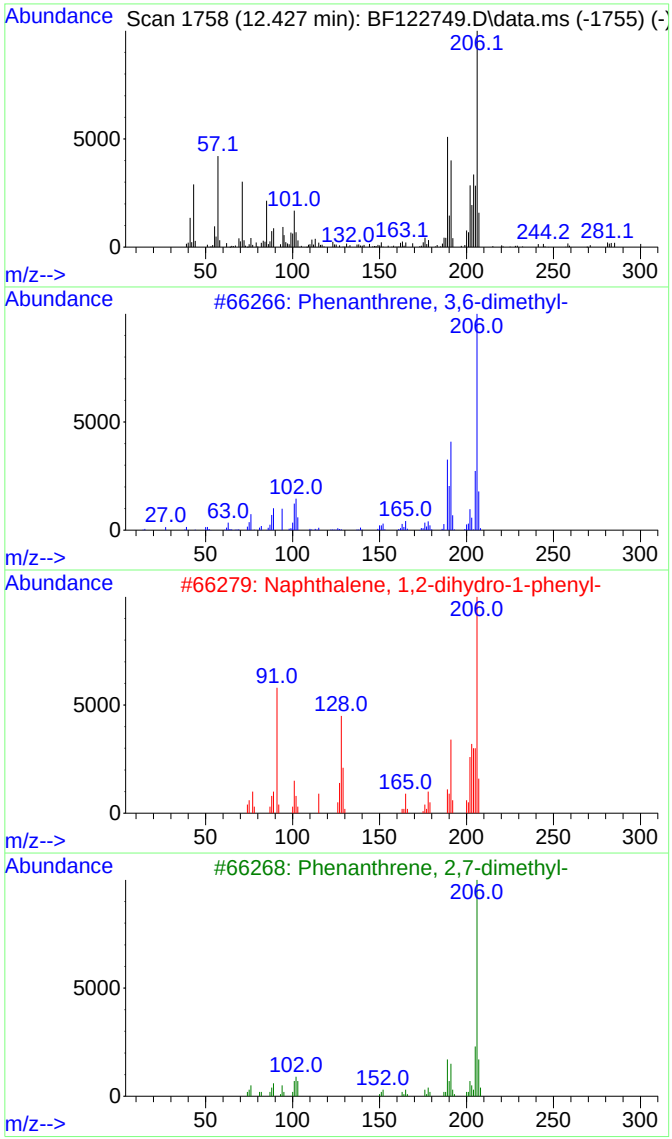
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

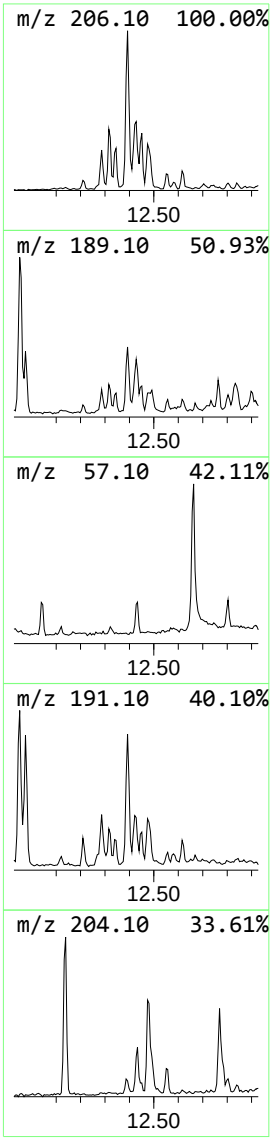
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	2.01 ng	184612	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	55
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	53
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	52
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHRT-20426

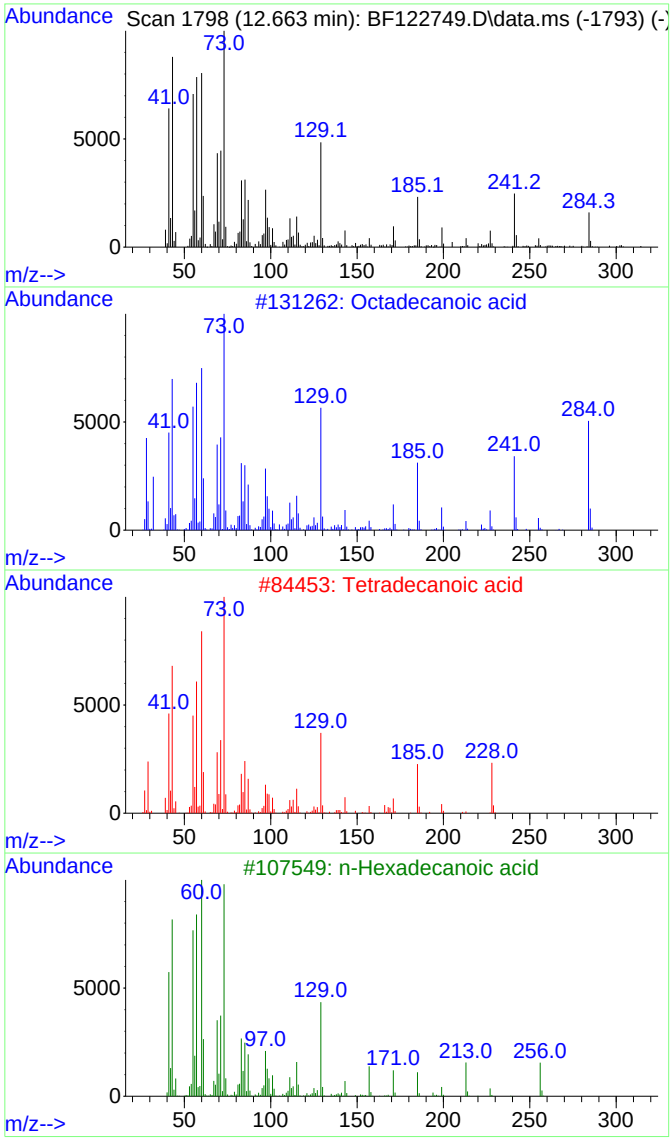
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

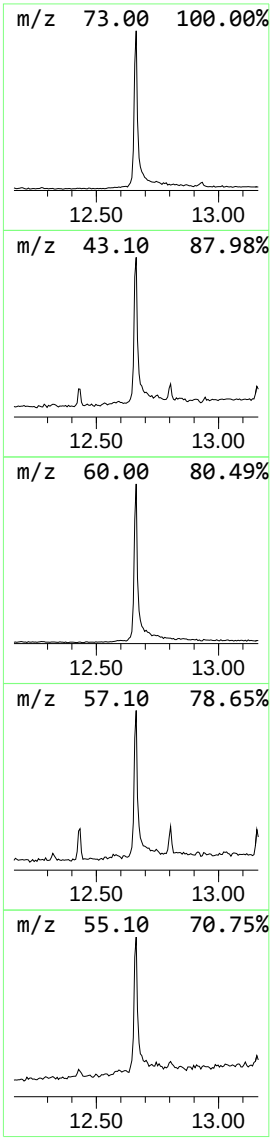
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Octadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.663	9.23 ng	903652	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	Tridecanoic acid	214	C13H26O2	000638-53-9	74





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Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHRT-20426

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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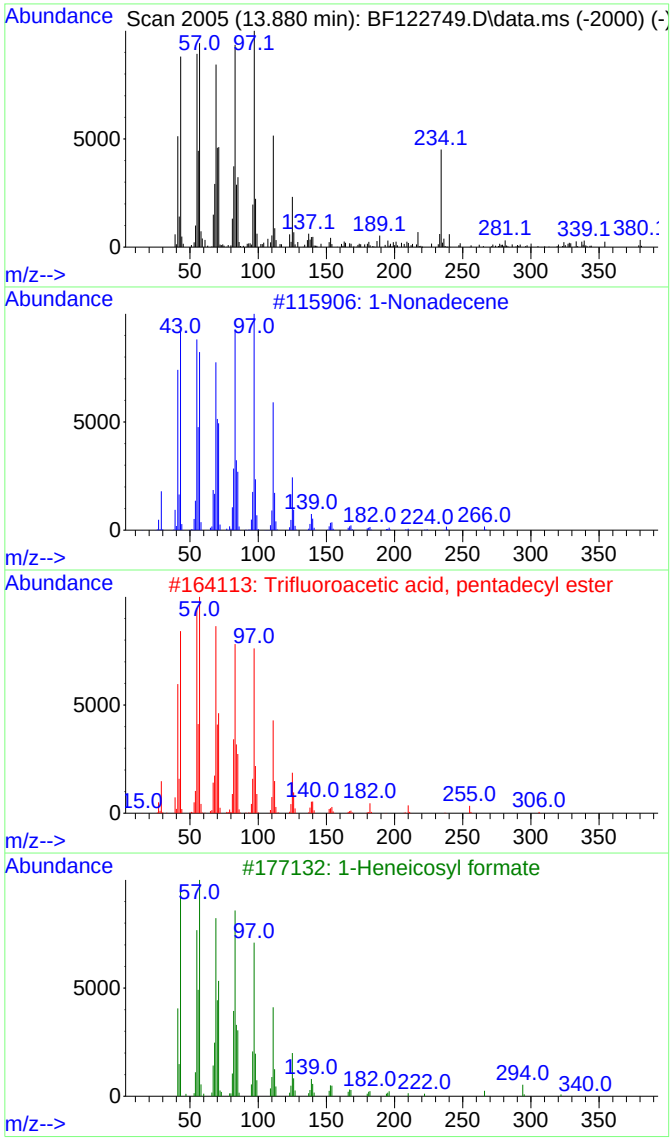
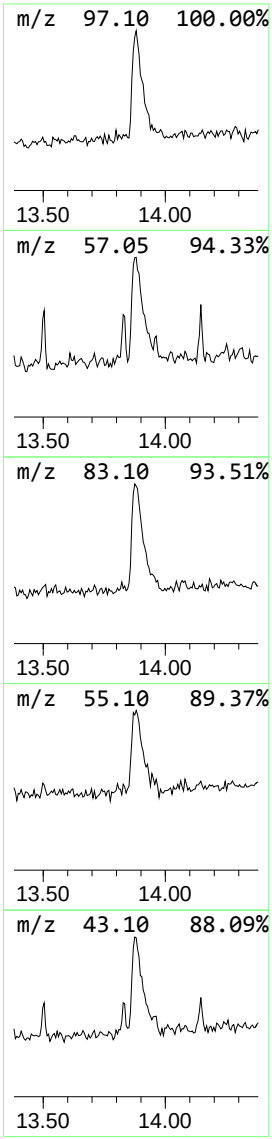
Peak Number 8 1-Nonadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	2.49 ng	243870	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	90
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	90
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	90
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	87
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHRT-20426

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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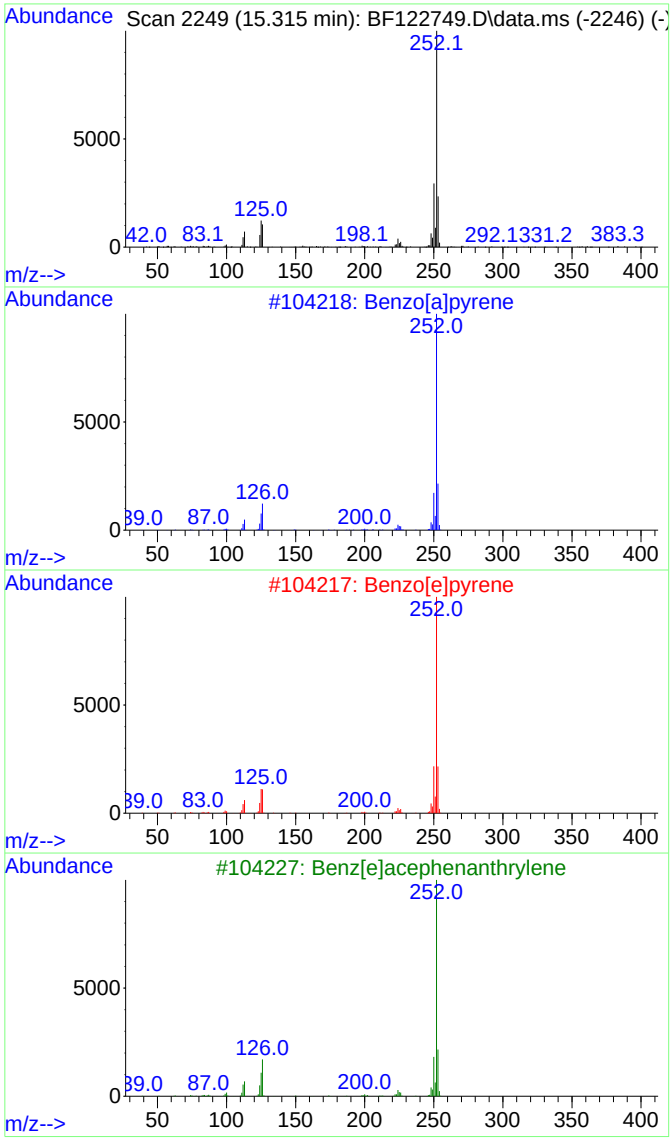
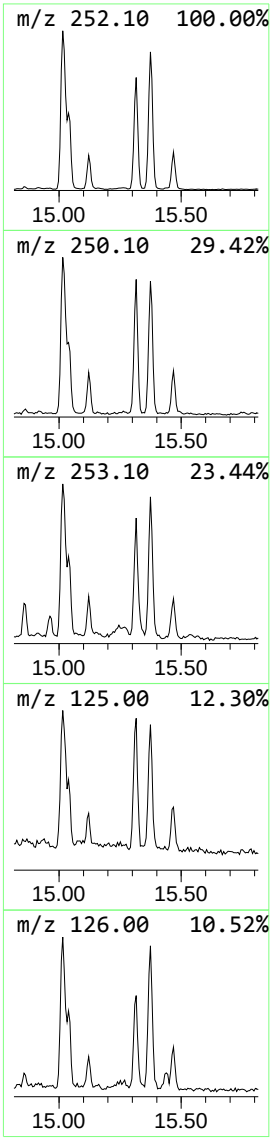
Peak Number 9 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.315	5.05 ng	334051	Perylene-d12	15.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122749.D
Acq On : 16 Dec 2020 14:40
Operator : JU/CG
Sample : L5091-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHRT-20426

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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
Benzene, 1-ethe...	6.645	2.3	ng	137866	1	6.816	1188220	20.0
Phenanthrene, 2...	11.839	2.3	ng	208056	4	11.339	1832460	20.0
Anthracene, 2-m...	11.869	6.0	ng	551149	4	11.339	1832460	20.0
Phenanthrene, 4...	11.951	3.5	ng	324794	4	11.339	1832460	20.0
Phenanthrene, 2...	12.392	3.0	ng	272543	4	11.339	1832460	20.0
Phenanthrene, 3...	12.427	2.0	ng	184612	4	11.339	1832460	20.0
Octadecanoic acid	12.663	9.2	ng	903652	5	13.980	1957550	20.0
1-Nonadecene	13.880	2.5	ng	243870	5	13.980	1957550	20.0
Benzo[e]pyrene	15.315	5.0	ng	334051	6	15.439	1323070	20.0