LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122065.D
Acq On : 21 Oct 2020 20:17
Operator : JU/CG
Sample : L4221-10 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102020

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: BF122065.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.681	264	271	286	rBV	223551	363146	27.83%	2.320%
2	4.928	481	483	494	rVB	9147	15130	1.16%	0.097%
3	5.345	551	554	574	rBV	880261	1027327	78.73%	6.563%
4	6.375	726	729	748	rBV	940215	1086070	83.23%	6.938%
5	6.728	785	789	797	rBV	797844	714650	54.77%	4.565%
6	7.292	882	885	904	rBV	762745	736508	56.44%	4.705%
7	8.010	1003	1007	1016	rBV	1057689	926374	70.99%	5.918%
8	9.080	1186	1189	1199	rBV	1552322	1304916	100.00%	8.336%
9	9.422	1244	1247	1250	rBV2	16460	20114	1.54%	0.128%
10	9.480	1254	1257	1264	rVB	120444	121039	9.28%	0.773%
11	9.622	1278	1281	1285	rBV	61496	58396	4.48%	0.373%
12	9.763	1301	1305	1308	rBV	1022452	975948	74.79%	6.235%
13	9.792	1308	1310	1316	rVB	43954	44568	3.42%	0.285%
14	9.969	1334	1340	1344	rBV3	18353	26439	2.03%	0.169%
15	10.004	1344	1346	1350	rVB3	17215	18557	1.42%	0.119%
16	10.075	1355	1358	1362	rBV2	20199	23686	1.82%	0.151%
17	10.163	1370	1373	1375	rBV3	12712	16453	1.26%	0.105%
18	10.186	1375	1377	1380	rVB	23726	17844	1.37%	0.114%
19	10.310	1395	1398	1402	rVB	33688	36208	2.77%	0.231%
20	10.410	1410	1415	1420	rVB3	13713	22324	1.71%	0.143%
21	10.551	1436	1439	1455	rVV	707193	678073	51.96%	4.332%
22	10.669	1455	1459	1466	rVB4	35274	58717	4.50%	0.375%
23	10.857	1487	1491	1493	rBV4	17990	22046	1.69%	0.141%
24	11.104	1530	1533	1536	rBV3	23136	23327	1.79%	0.149%
25	11.139	1536	1539	1545	rVB2	38612	54759	4.20%	0.350%
26	11.245	1553	1557	1559	rBV	1076148	905925	69.42%	5.787%
27	11.269	1559	1561	1564	rVV	388649	314348	24.09%	2.008%
28	11.322	1568	1570	1573	rVV	90454	76747	5.88%	0.490%
29	11.363	1573	1577	1582	rVB5	16458	35697	2.74%	0.228%
30	11.486	1594	1598	1603	rBV2	41265	56454	4.33%	0.361%
31	11.533	1603	1606	1608	rVB3	29743	27619	2.12%	0.176%
32	11.574	1608	1613	1618	rBV	31379	41448	3.18%	0.265%
33	11.657	1624	1627	1632	rVB2	18739	27822	2.13%	0.178%
34	11.710	1632	1636	1639	rBV5	18694	34489	2.64%	0.220%
35	11.745	1639	1642	1645	rVV2	86845	89401	6.85%	0.571%
36	11.774	1645	1647	1653	rVV	116555	110176	8.44%	0.704%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122065.D
Acq On : 21 Oct 2020 20:17
Operator : JU/CG
Sample : L4221-10 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102020

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	11.821	1653	1655	1658	rVV	28798	30187	2.31%	0.193%
38	11.857	1658	1661	1663	rVV2	132352	134085	10.28%	0.857%
39	11.880	1663	1665	1668	rVV	68673	59060	4.53%	0.377%
40	11.933	1671	1674	1677	rBV3	31979	39578	3.03%	0.253%
41	11.980	1680	1682	1684	rBV	25482	21339	1.64%	0.136%
42	12.039	1689	1692	1696	rBV	49385	48727	3.73%	0.311%
43	12.080	1696	1699	1703	rVB2	46865	48646	3.73%	0.311%
44	12.145	1706	1710	1712	rBV4	13935	20480	1.57%	0.131%
45	12.169	1712	1714	1716	rBV2	28337	29891	2.29%	0.191%
46	12.221	1720	1723	1725	rBV2	38620	31066	2.38%	0.198%
47	12.292	1732	1735	1738	rBV	99479	101472	7.78%	0.648%
48	12.327	1738	1741	1744	rVV3	61269	74395	5.70%	0.475%
49	12.392	1748	1752	1754	rBV2	55167	67737	5.19%	0.433%
50	12.457	1760	1763	1767	rBV	540813	459828	35.24%	2.938%
51	12.557	1777	1780	1783	rBV	27751	29566	2.27%	0.189%
52	12.610	1786	1789	1791	rBV2	60502	60466	4.63%	0.386%
53	12.686	1797	1802	1808	rBV	497453	569289	43.63%	3.637%
54	12.739	1809	1811	1815	rVB2	42738	46818	3.59%	0.299%
55	12.827	1822	1826	1829	rBV	1215790	1066501	81.73%	6.813%
56	12.904	1836	1839	1844	rBV3	48870	87107	6.68%	0.556%
57	12.957	1846	1848	1851	rBV3	31156	28337	2.17%	0.181%
58	12.998	1852	1855	1856	rBV3	48729	53393	4.09%	0.341%
59	13.016	1856	1858	1861	rVB	79945	65944	5.05%	0.421%
60	13.057	1862	1865	1867	rBV2	51369	58603	4.49%	0.374%
61	13.121	1873	1876	1879	rBV2	54543	56253	4.31%	0.359%
62	13.210	1889	1891	1894	rBV	56176	47999	3.68%	0.307%
63	13.245	1895	1897	1905	rVB5	57893	101409	7.77%	0.648%
64	13.392	1920	1922	1924	rBV	50849	39967	3.06%	0.255%
65	13.739	1979	1981	1990	rVB3	117332	185448	14.21%	1.185%
66	13.886	2001	2006	2009	rBV2	866874	958756	73.47%	6.125%
67	13.910	2009	2010	2014	rVB	190979	140278	10.75%	0.896%
68	14.957	2186	2188	2192	rVB	223115	226117	17.33%	1.444%
69	15.321	2246	2250	2254	rVB	472426	552206	42.32%	3.528%

Sum of corrected areas: 15653693

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
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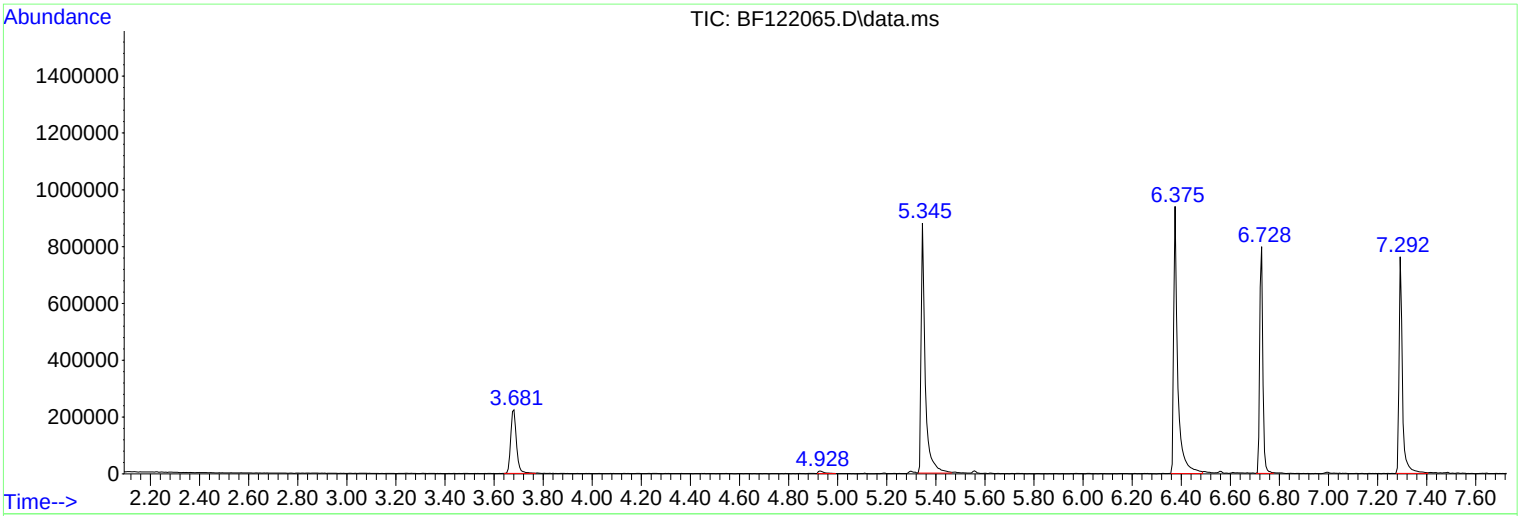
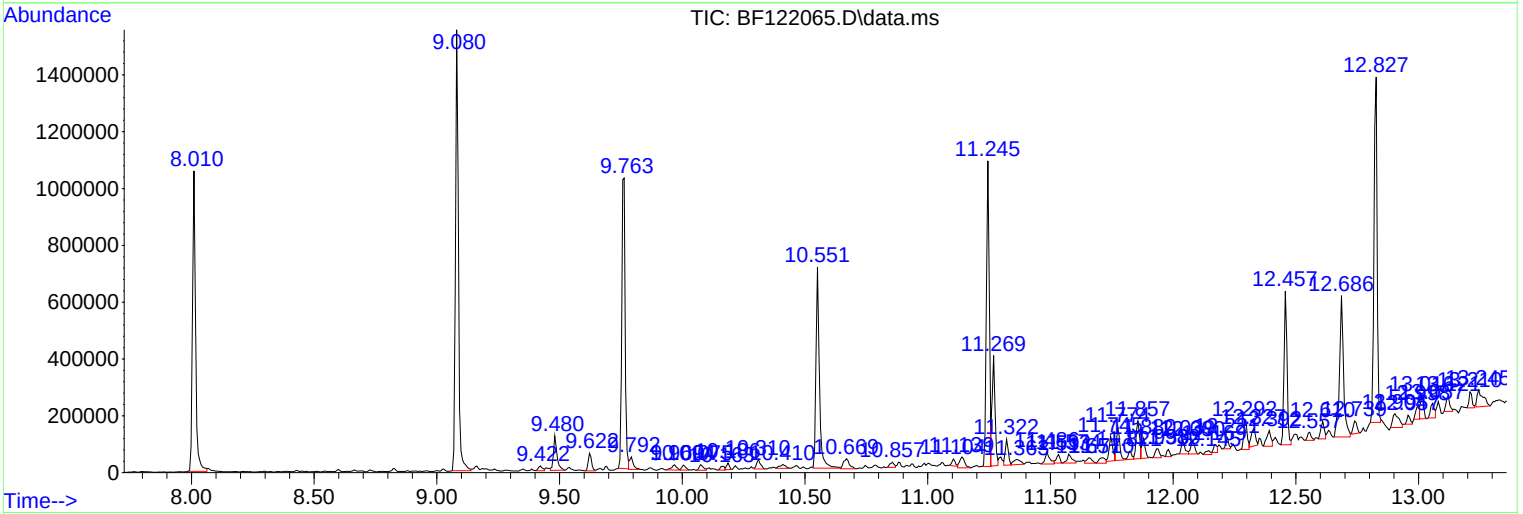
Acq On : 21 Oct 2020 20:17
Operator : JU/CG
Sample : L4221-10 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

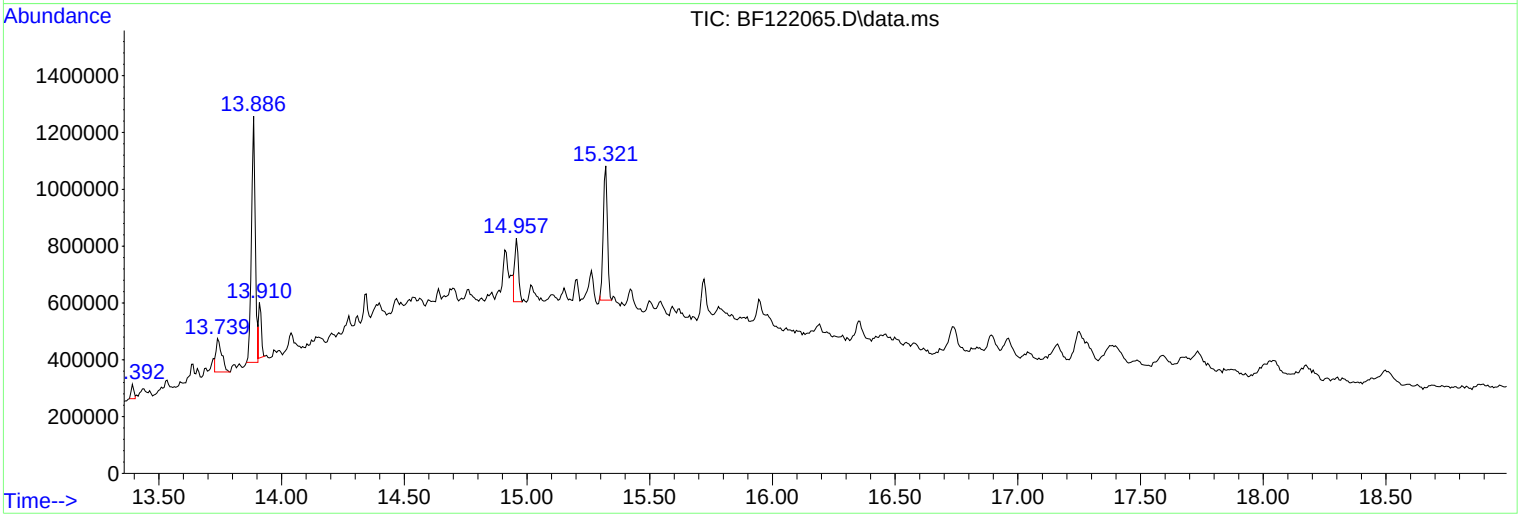
Instrument :
BNA_F
ClientSampleId :
OK-03-102020

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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Acq On : 21 Oct 2020 20:17
Operator : JU/CG
Sample : L4221-10 2X
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Instrument :
BNA_F
ClientSampleId :
OK-03-102020

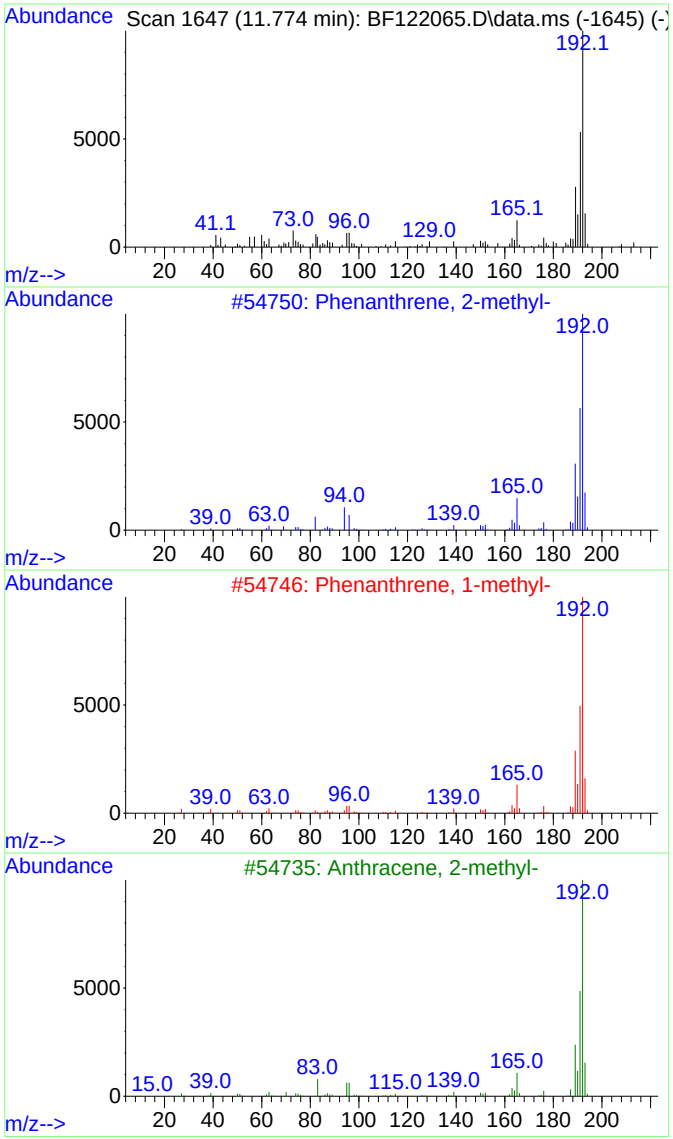
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

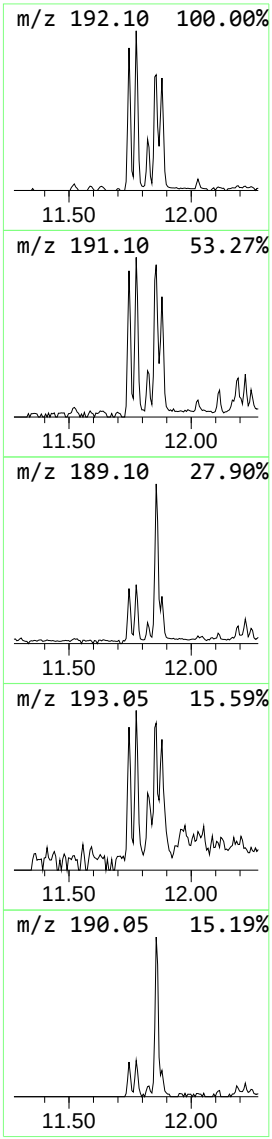
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	2.43 ng	110176	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122065.D
Acq On : 21 Oct 2020 20:17
Operator : JU/CG
Sample : L4221-10 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102020

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

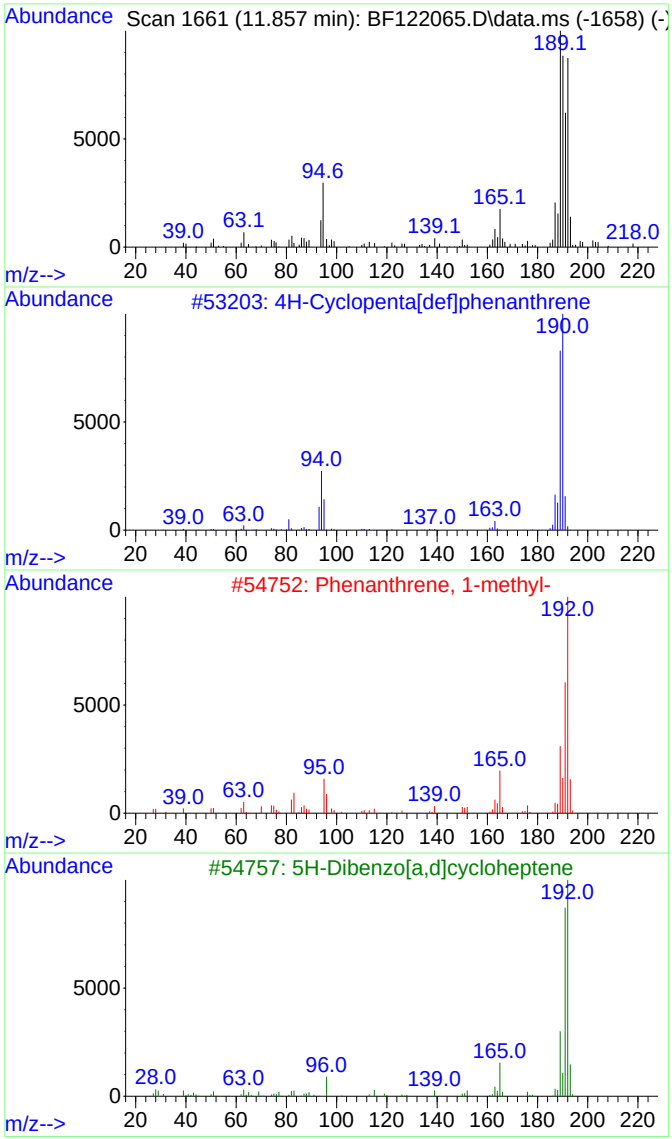
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

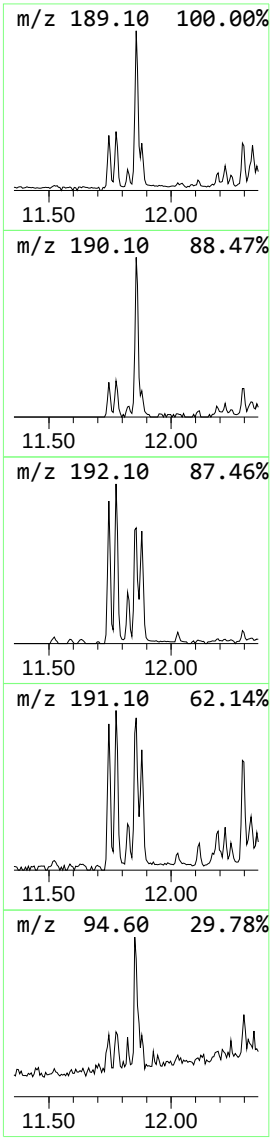
****

Peak Number 3 unknown11.857 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	2.96 ng	134085	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	30
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122065.D
Acq On : 21 Oct 2020 20:17
Operator : JU/CG
Sample : L4221-10 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-102020

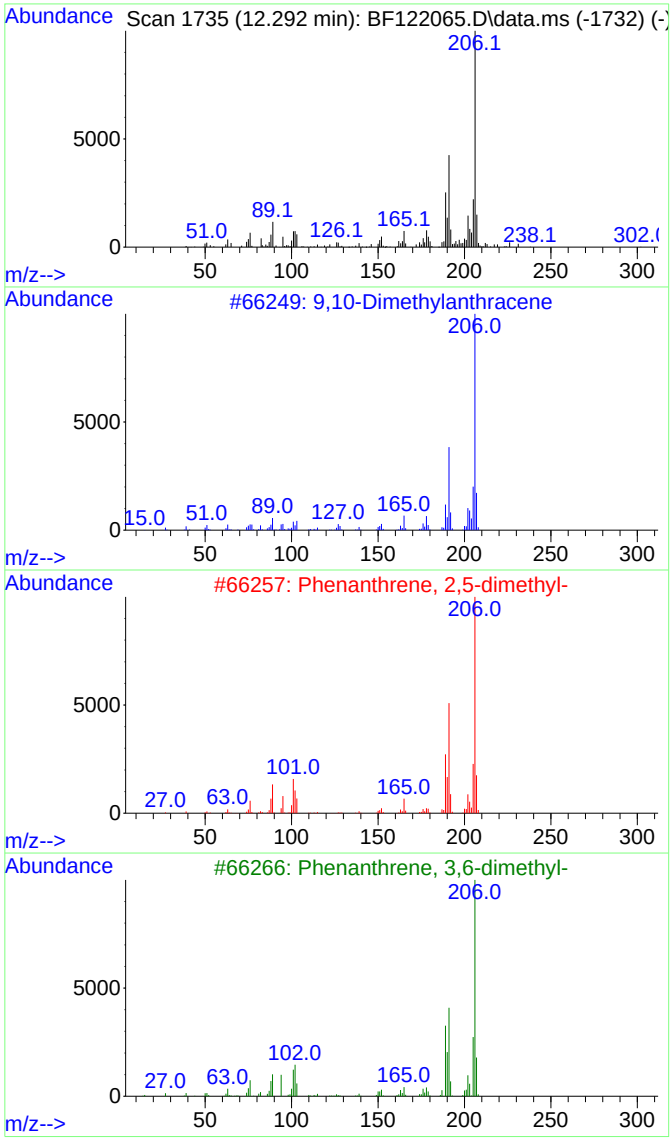
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

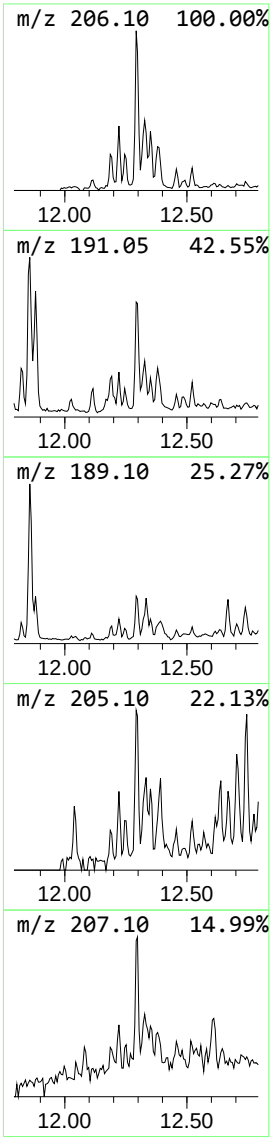
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.292	2.24 ng	101472	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Data File : BF122065.D
Acq On : 21 Oct 2020 20:17
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Sample : L4221-10 2X
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ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-102020

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

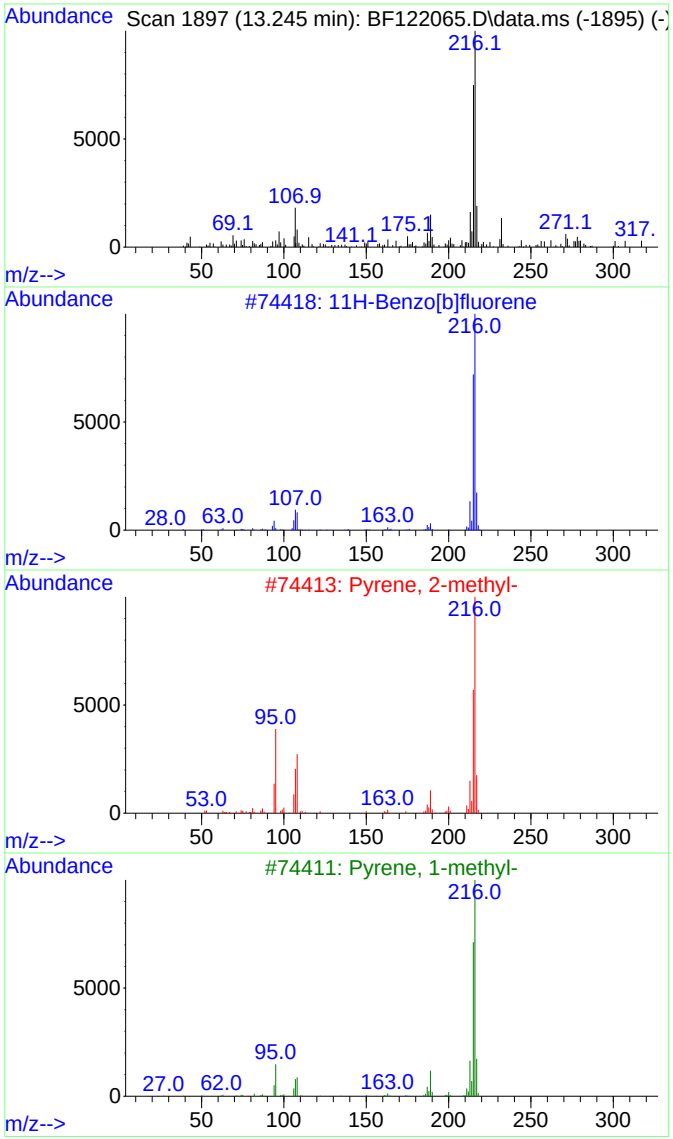
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

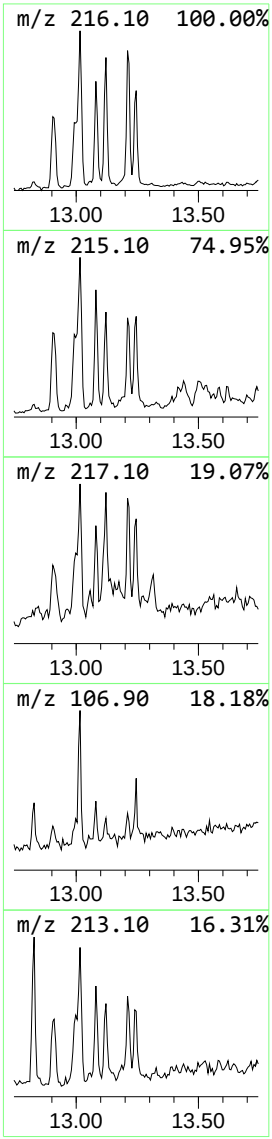
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.245	2.12 ng	101409	Chrysene-d12	13.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

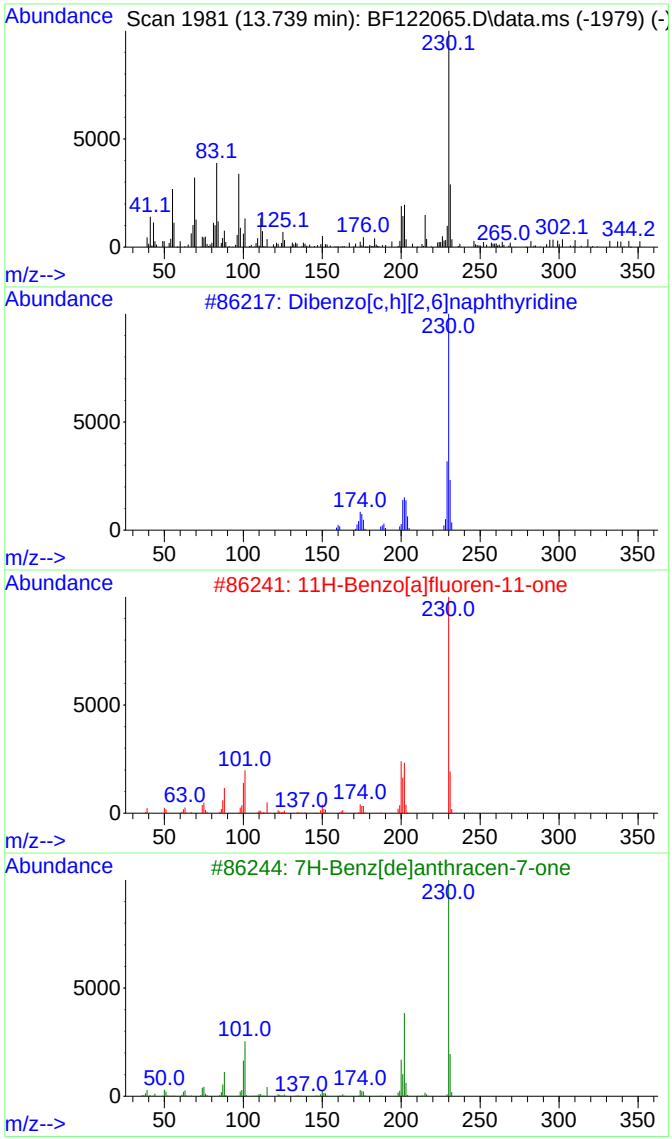
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

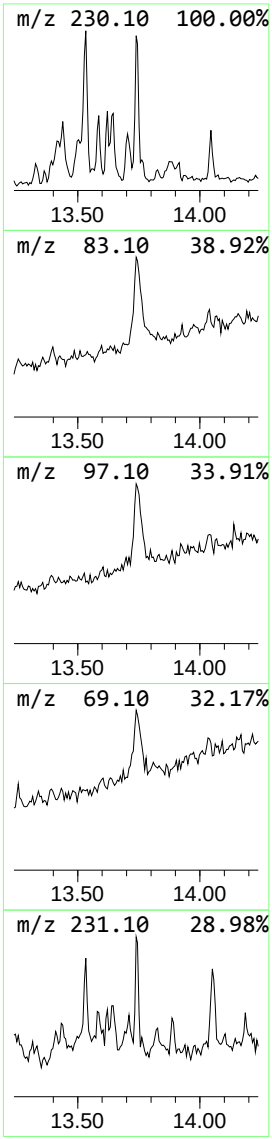
****

Peak Number 6 Dibenzo[c,h][2,6]naphthyridine Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.739	3.87 ng	185448	Chrysene-d12	13.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	64
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	60
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	46
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	38
5	8-Chlorobenzo[h][1,6]-naphthyrid...	230	C12H7ClN2O	025100-26-9	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122065.D
Acq On : 21 Oct 2020 20:17
Operator : JU/CG
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102020

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
Phenanthrene, 2...	11.774	2.4	ng	110176	4	11.245	905925	20.0
unknown11.857	11.857	3.0	ng	134085	4	11.245	905925	20.0
9,10-Dimethylan...	12.292	2.2	ng	101472	4	11.245	905925	20.0
11H-Benzo[b]flu...	13.245	2.1	ng	101409	5	13.886	958756	20.0
Dibenzo[c,h][2,...	13.739	3.9	ng	185448	5	13.886	958756	20.0