LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114142.D
Acq On : 11 May 2019 00:59
Operator : JU/SJ
Sample : K2647-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-050919-A

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-BF051019.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	5.475	572	576	587	rBV	1667047	1518985	62.60%	4.492%
2	6.487	744	748	761	rBV	1748375	1708631	70.42%	5.053%
3	6.622	768	771	775	rBV	1807284	1577671	65.02%	4.666%
4	6.851	807	810	814	rBV	1845937	1670672	68.86%	4.941%
5	7.010	833	837	851	rVB	1480157	1195121	49.26%	3.535%
6	7.410	901	905	914	rBV	1020709	869457	35.83%	2.571%
7	8.134	1025	1028	1031	rBV	2403019	2052749	84.60%	6.071%
8	8.845	1147	1149	1154	rVB	93866	78594	3.24%	0.232%
9	8.945	1163	1166	1171	rBV	117474	92809	3.83%	0.274%
10	9.204	1207	1210	1214	rBV	1855480	1543140	63.60%	4.564%
11	9.310	1221	1228	1232	rVB4	19784	34732	1.43%	0.103%
12	9.475	1252	1256	1260	rBV2	55874	76431	3.15%	0.226%
13	9.545	1265	1268	1271	rBV	108889	111232	4.58%	0.329%
14	9.575	1271	1273	1275	rVV	71427	60225	2.48%	0.178%
15	9.598	1275	1277	1285	rVB	250518	210352	8.67%	0.622%
16	9.663	1285	1288	1294	rBV	52558	60416	2.49%	0.179%
17	9.751	1300	1303	1306	rBV	156488	150338	6.20%	0.445%
18	9.792	1306	1310	1313	rBV2	33381	50107	2.07%	0.148%
19	9.886	1323	1326	1330	rBV	2234891	1981808	81.68%	5.861%
20	9.922	1330	1332	1335	rVB	153292	121619	5.01%	0.360%
21	9.992	1341	1344	1348	rVB2	28641	34327	1.41%	0.102%
22	10.045	1348	1353	1357	rBV7	17387	35907	1.48%	0.106%
23	10.092	1357	1361	1365	rVV	130707	114781	4.73%	0.339%
24	10.128	1365	1367	1373	rVB	42379	40217	1.66%	0.119%
25	10.204	1377	1380	1383	rBV2	41019	44085	1.82%	0.130%
26	10.233	1383	1385	1390	rVB	37675	33599	1.38%	0.099%
27	10.292	1391	1395	1397	rBV3	28825	40739	1.68%	0.120%
28	10.433	1416	1419	1425	rVB	246131	224672	9.26%	0.664%
29	10.498	1425	1430	1432	rBV3	28409	44118	1.82%	0.130%
30	10.592	1443	1446	1455	rVB2	55075	61121	2.52%	0.181%
31	10.675	1456	1460	1464	rBV	1015352	889304	36.65%	2.630%
32	10.798	1477	1481	1485	rVB5	46186	66239	2.73%	0.196%
33	10.980	1508	1512	1515	rBV2	70346	84205	3.47%	0.249%
34	11.010	1515	1517	1521	rVB2	40915	33728	1.39%	0.100%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114142.D
Acq On : 11 May 2019 00:59
Operator : JU/SJ
Sample : K2647-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-050919-A

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.063	1523	1526	1530	rVB2	35577	35858	1.48%	0.106%
36	11.110	1530	1534	1536	rBV4	31109	42484	1.75%	0.126%
37	11.180	1543	1546	1550	rVB4	36964	36541	1.51%	0.108%
38	11.233	1550	1555	1558	rVV6	30446	62850	2.59%	0.186%
39	11.269	1558	1561	1566	rVB	132195	118564	4.89%	0.351%
40	11.374	1575	1579	1581	rBV	2388206	2140255	88.21%	6.330%
41	11.398	1581	1583	1586	rVV	1302164	1010679	41.66%	2.989%
42	11.445	1589	1591	1595	rVV	374692	309617	12.76%	0.916%
43	11.480	1595	1597	1601	rVV2	45301	48526	2.00%	0.144%
44	11.598	1614	1617	1620	rBV	113361	93445	3.85%	0.276%
45	11.663	1626	1628	1631	rVB	56530	49504	2.04%	0.146%
46	11.704	1632	1635	1640	rVB2	72579	70780	2.92%	0.209%
47	11.786	1646	1649	1652	rVB	39482	40011	1.65%	0.118%
48	11.874	1661	1664	1666	rBV	284143	240700	9.92%	0.712%
49	11.898	1666	1668	1673	rVV	396524	387649	15.98%	1.146%
50	11.951	1674	1677	1680	rVV	110421	114739	4.73%	0.339%
51	11.986	1680	1683	1685	rVV2	401526	406380	16.75%	1.202%
52	12.010	1685	1687	1691	rVB	187470	154192	6.36%	0.456%
53	12.169	1711	1714	1716	rBV	138300	113187	4.66%	0.335%
54	12.192	1716	1718	1722	rVB2	78288	67704	2.79%	0.200%
55	12.316	1737	1739	1742	rVB	54986	42283	1.74%	0.125%
56	12.351	1742	1745	1747	rBV	93646	86734	3.57%	0.257%
57	12.421	1754	1757	1760	rBV	181920	182474	7.52%	0.540%
58	12.463	1760	1764	1766	rVV	121872	146755	6.05%	0.434%
59	12.504	1769	1771	1776	rBV2	98159	141864	5.85%	0.420%
60	12.586	1781	1785	1788	rBV	1577759	1423028	58.65%	4.209%
61	12.680	1798	1801	1803	rBV	109084	106023	4.37%	0.314%
62	12.816	1818	1824	1827	rBV	1378954	1525341	62.87%	4.511%
63	12.951	1844	1847	1856	rVB	1827406	1620958	66.81%	4.794%
64	13.027	1858	1860	1864	rBV2	90943	125883	5.19%	0.372%
65	13.139	1877	1879	1882	rVB	285664	243559	10.04%	0.720%
66	13.204	1888	1890	1894	rVB	168465	144007	5.94%	0.426%
67	13.245	1894	1897	1900	rBV2	190786	171590	7.07%	0.507%
68	14.010	2022	2027	2030	rBV2	2071805	2426308	100.00%	7.176%
69	14.033	2030	2031	2038	rVB	575771	454170	18.72%	1.343%
70	15.045	2201	2203	2207	rBV	335565	413889	17.06%	1.224%
71	15.115	2213	2215	2219	rBV	333263	343070	14.14%	1.015%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114142.D
Acq On : 11 May 2019 00:59
Operator : JU/SJ
Sample : K2647-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-050919-A

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.410	2263	2265	2271	rVB	328929	324124	13.36%	0.959%
73	15.474	2272	2276	2280	rBV	1048074	1434223	59.11%	4.242%

Sum of corrected areas: 33812079

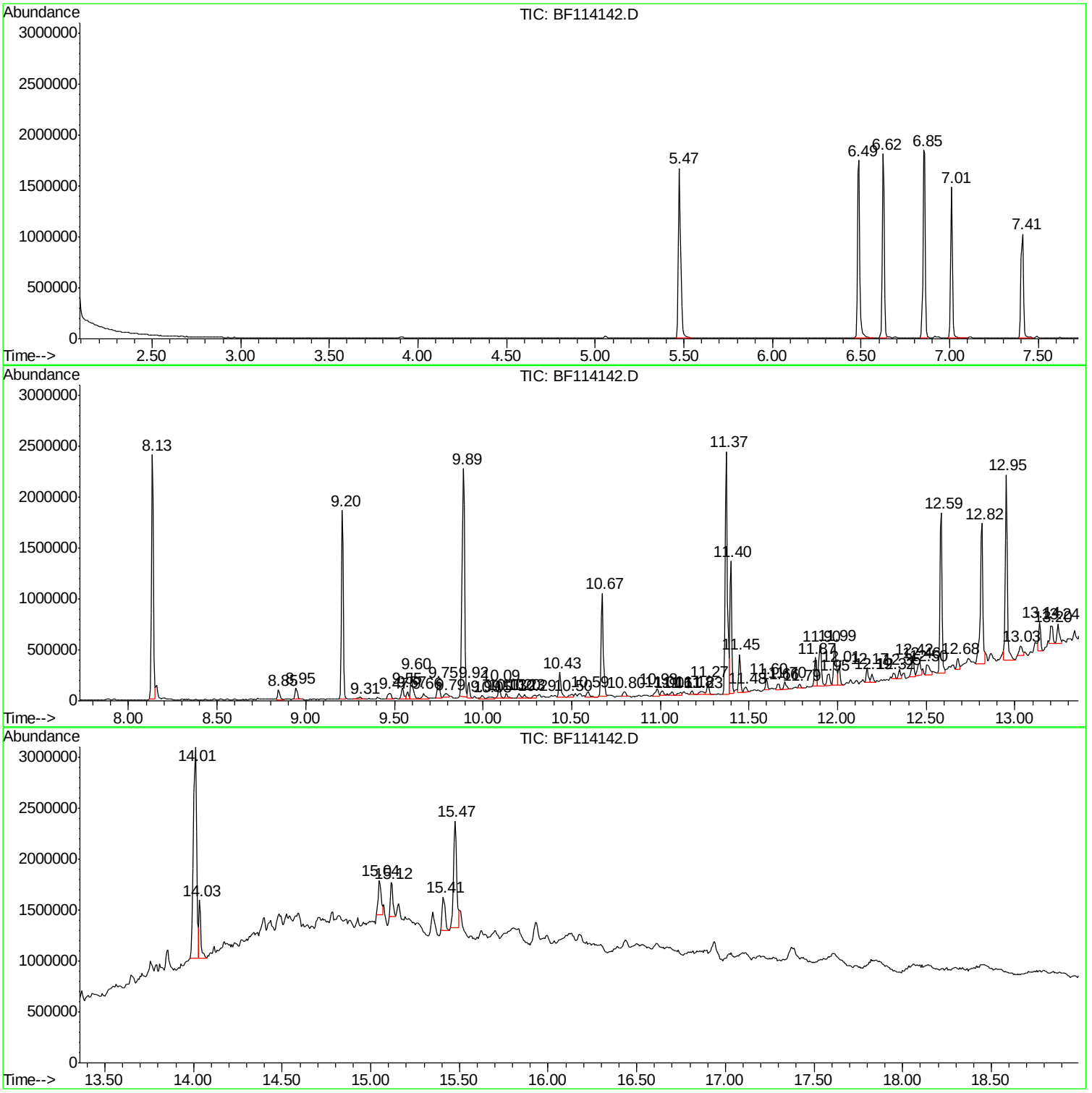
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114142.D
Acq On : 11 May 2019 00:59
Operator : JU/SJ
Sample : K2647-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-050919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114142.D
Acq On : 11 May 2019 00:59
Operator : JU/SJ
Sample : K2647-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-050919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

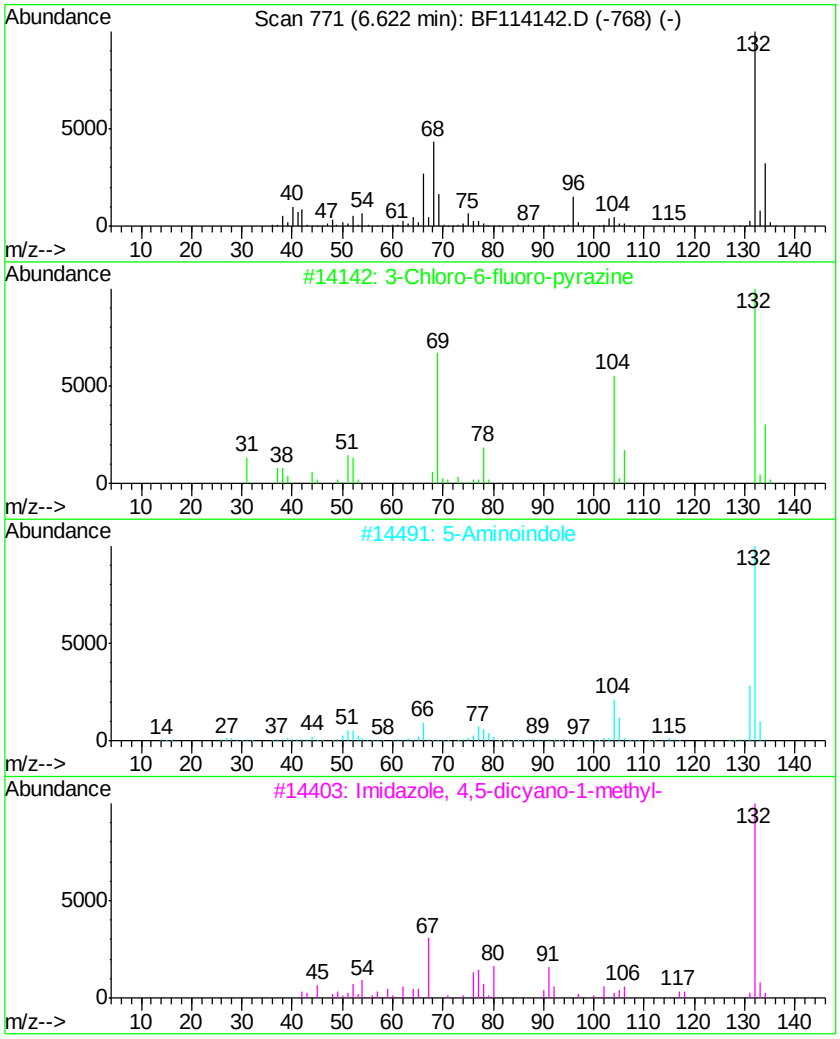
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

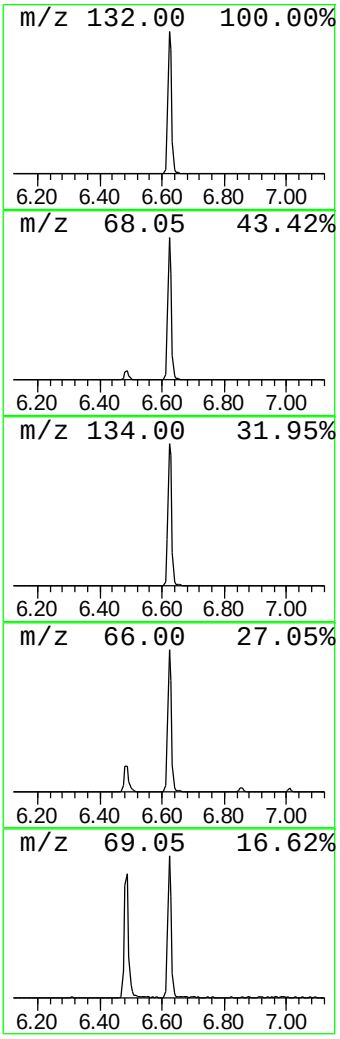
****

Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	18.89 ng	1577670	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
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Acq On : 11 May 2019 00:59
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Sample : K2647-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-050919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

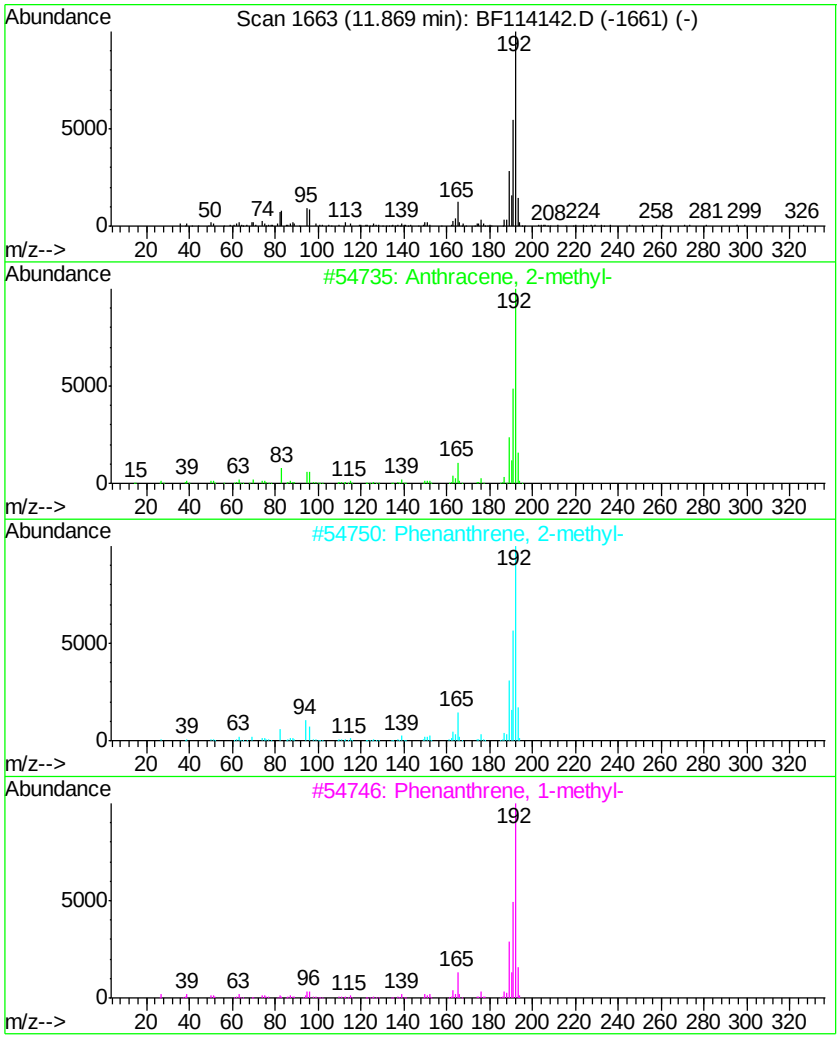
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

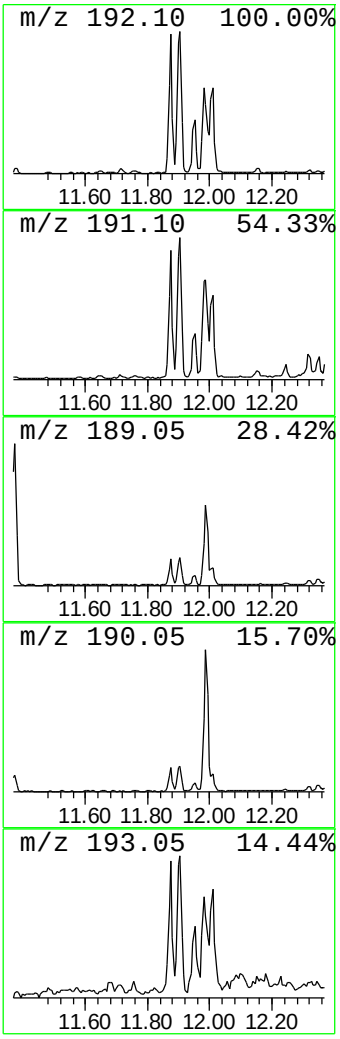
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.25 ng	240700	Phenanthrene-d10	11.37

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114142.D
Acq On : 11 May 2019 00:59
Operator : JU/SJ
Sample : K2647-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-050919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

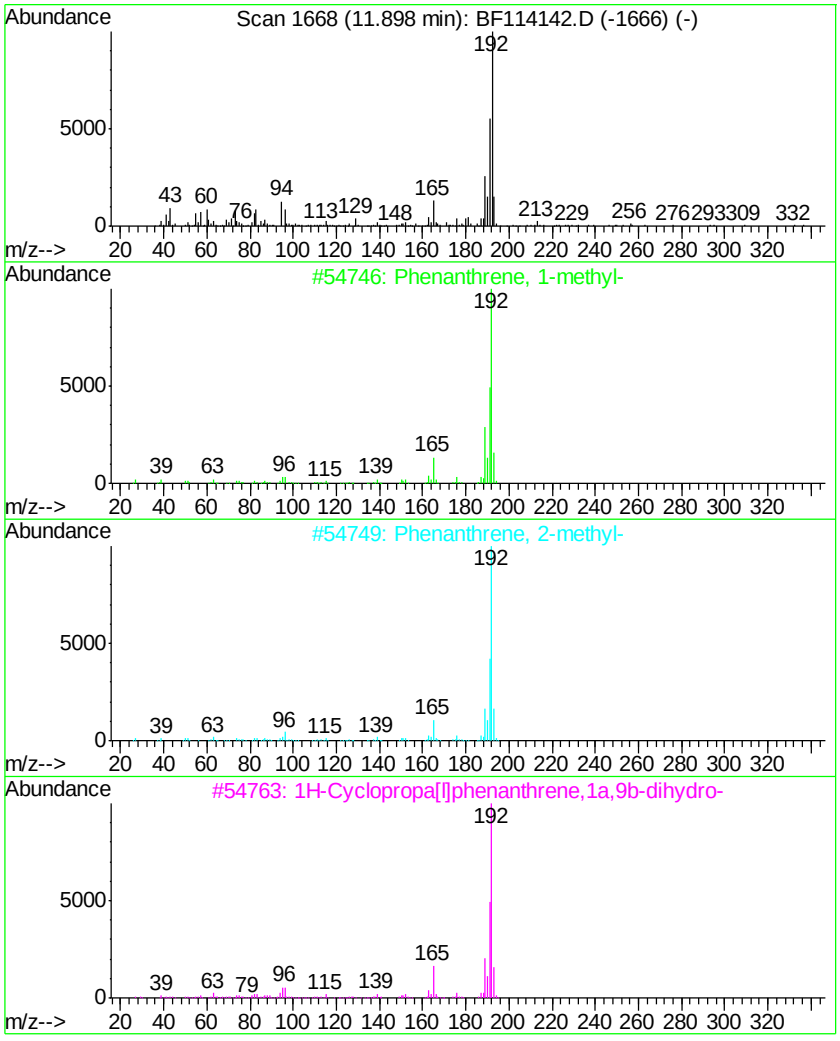
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

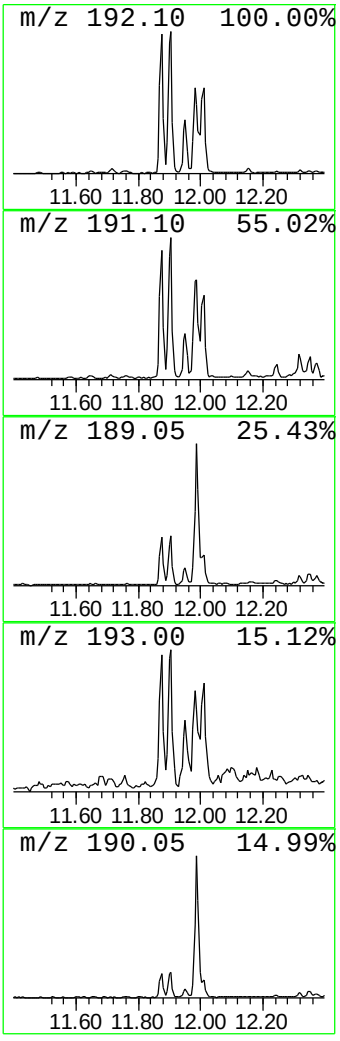
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.62 ng	387649	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
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Acq On : 11 May 2019 00:59
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Sample : K2647-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-050919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

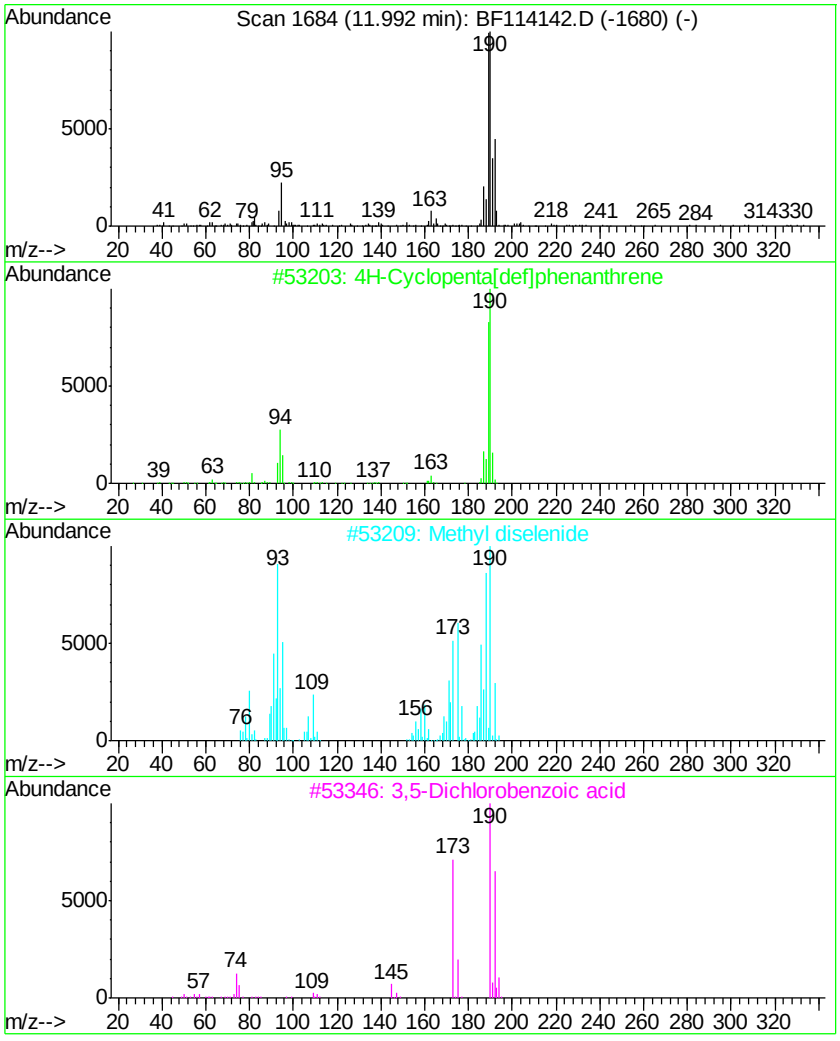
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

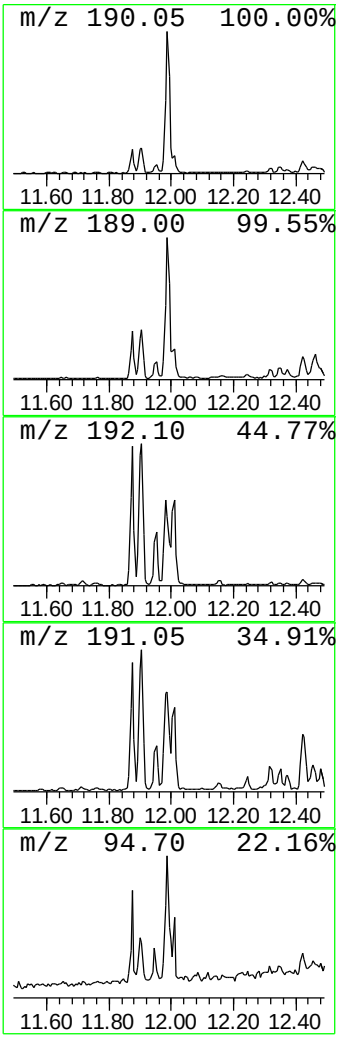
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.80 ng	406380	Phenanthrene-d10	11.37

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	38
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





Library Search Compound Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-050919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

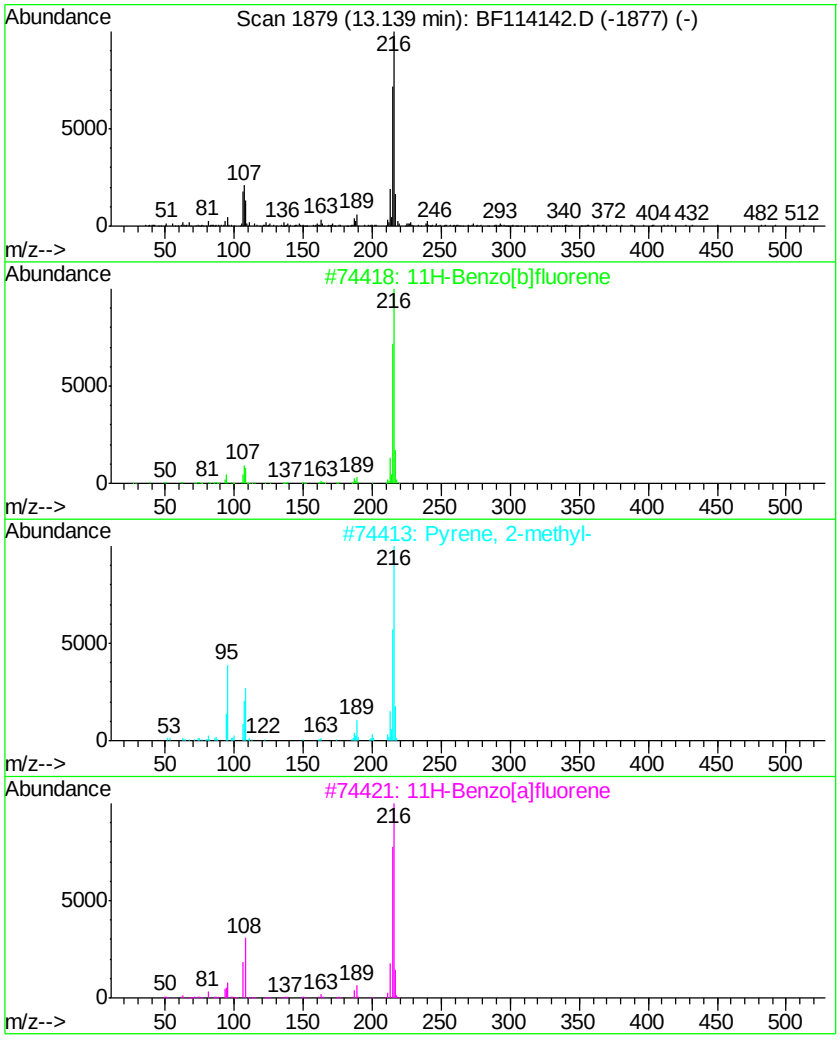
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

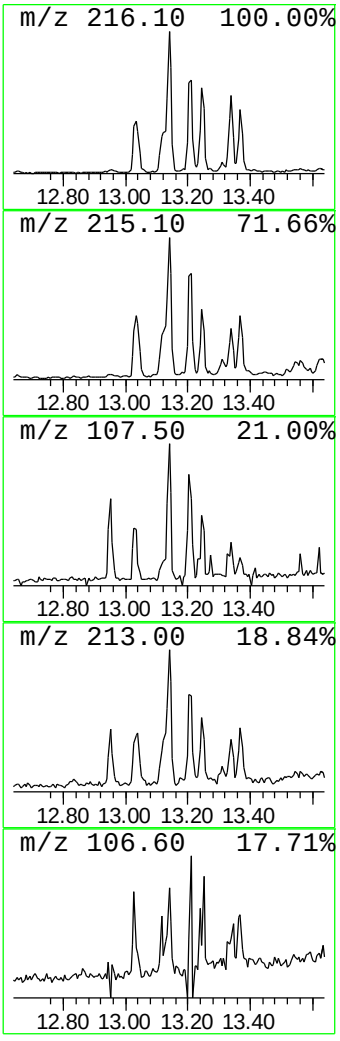
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	2.01 ng	243559	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114142.D
Acq On : 11 May 2019 00:59
Operator : JU/SJ
Sample : K2647-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-050919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
unknown6.62	6.62	18.9	ng	1577670	1	6.86	1670670	20.0
Anthracene, 2-met...	11.87	2.3	ng	240700	4	11.37	2140260	20.0
Phenanthrene, 1-m...	11.90	3.6	ng	387649	4	11.37	2140260	20.0
4H-Cyclopenta[def...	11.99	3.8	ng	406380	4	11.37	2140260	20.0
11H-Benzo[b]fluorene	13.14	2.0	ng	243559	5	14.01	2426310	20.0