LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
Operator : JU/SJ
Sample : J5200-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102318-B

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-BF102318.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	2.281	29	33	47	rVB	174913	272736	19.01%	1.411%
2	5.192	524	528	537	rVB	84480	93249	6.50%	0.483%
3	5.581	590	594	613	rVB	1354687	1326750	92.49%	6.866%
4	6.586	760	765	782	rVB	1425148	1434402	100.00%	7.423%
5	6.733	786	790	793	rBV	1699105	1373274	95.74%	7.107%
6	6.969	826	830	833	rBV	975331	818965	57.09%	4.238%
7	7.122	852	856	860	rBV	1326687	1067692	74.43%	5.526%
8	7.528	921	925	935	rBV	891080	798279	55.65%	4.131%
9	8.251	1044	1048	1051	rBV	1177000	980222	68.34%	5.073%
10	8.922	1159	1162	1167	rBV	47487	58692	4.09%	0.304%
11	8.963	1167	1169	1175	rVB	32205	29939	2.09%	0.155%
12	9.063	1182	1186	1191	rVB	33367	29182	2.03%	0.151%
13	9.322	1226	1230	1240	rBV	1679448	1379683	96.19%	7.140%
14	9.592	1272	1276	1280	rBV2	17247	22357	1.56%	0.116%
15	9.663	1285	1288	1291	rVV	34275	33584	2.34%	0.174%
16	9.716	1294	1297	1304	rVB	155437	145607	10.15%	0.754%
17	9.869	1320	1323	1328	rBV	54699	53531	3.73%	0.277%
18	10.010	1343	1347	1350	rBV	1120292	925545	64.52%	4.790%
19	10.039	1350	1352	1356	rVB	83316	69695	4.86%	0.361%
20	10.216	1378	1382	1385	rBV2	34420	36890	2.57%	0.191%
21	10.321	1396	1400	1403	rBV3	18756	18616	1.30%	0.096%
22	10.416	1410	1416	1420	rVB4	16386	25258	1.76%	0.131%
23	10.557	1437	1440	1446	rVB	80270	78765	5.49%	0.408%
24	10.645	1450	1455	1457	rVB3	18513	23899	1.67%	0.124%
25	10.798	1477	1481	1486	rBV	751022	659771	46.00%	3.414%
26	10.898	1496	1498	1500	rBV2	16109	18926	1.32%	0.098%
27	11.104	1527	1533	1536	rBV2	23874	36186	2.52%	0.187%
28	11.345	1571	1574	1577	rBV2	19178	19887	1.39%	0.103%
29	11.398	1581	1583	1587	rVB	42151	33638	2.35%	0.174%
30	11.504	1597	1601	1603	rBV	1027680	891928	62.18%	4.616%
31	11.527	1603	1605	1609	rVV	557285	417254	29.09%	2.159%
32	11.580	1609	1614	1616	rVV	120832	109927	7.66%	0.569%
33	11.733	1636	1640	1644	rBV	44921	49003	3.42%	0.254%
34	11.833	1654	1657	1662	rVB2	25531	25160	1.75%	0.130%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
Operator : JU/SJ
Sample : J5200-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102318-B

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.915	1668	1671	1674	rVB	17989	17089	1.19%	0.088%
36	12.004	1683	1686	1689	rBV	100324	100112	6.98%	0.518%
37	12.033	1689	1691	1695	rVB	103027	84697	5.90%	0.438%
38	12.080	1696	1699	1701	rVV	37364	32554	2.27%	0.168%
39	12.115	1701	1705	1708	rVV2	128103	154844	10.80%	0.801%
40	12.139	1708	1709	1713	rVB	62598	37444	2.61%	0.194%
41	12.180	1713	1716	1719	rBV3	18172	19600	1.37%	0.101%
42	12.233	1723	1725	1729	rBV3	24584	27936	1.95%	0.145%
43	12.298	1733	1736	1738	rVV	56910	53797	3.75%	0.278%
44	12.327	1738	1741	1748	rVB2	41665	49349	3.44%	0.255%
45	12.480	1764	1767	1769	rBV	22890	20887	1.46%	0.108%
46	12.504	1769	1771	1773	rVB2	23598	17910	1.25%	0.093%
47	12.551	1776	1779	1781	rBV	62697	57652	4.02%	0.298%
48	12.645	1792	1795	1799	rBV2	39818	56179	3.92%	0.291%
49	12.721	1804	1808	1811	rBV	744599	647964	45.17%	3.353%
50	12.757	1812	1814	1816	rBV3	19582	17047	1.19%	0.088%
51	12.780	1816	1818	1820	rBV3	27148	18220	1.27%	0.094%
52	12.815	1821	1824	1826	rBV	28822	28437	1.98%	0.147%
53	12.839	1826	1828	1830	rBV3	17272	16924	1.18%	0.088%
54	12.874	1831	1834	1836	rBV	29386	28397	1.98%	0.147%
55	12.951	1844	1847	1852	rVB	705515	617732	43.07%	3.197%
56	12.998	1852	1855	1858	rBV2	39219	41487	2.89%	0.215%
57	13.086	1866	1870	1873	rBV	1259529	1043319	72.74%	5.399%
58	13.168	1880	1884	1888	rBV3	43509	75451	5.26%	0.390%
59	13.274	1895	1902	1905	rBV2	116303	172624	12.03%	0.893%
60	13.345	1911	1914	1916	rBV	70134	61225	4.27%	0.317%
61	13.380	1917	1920	1923	rBV2	69612	76774	5.35%	0.397%
62	13.474	1934	1936	1939	rBV	39444	28722	2.00%	0.149%
63	13.509	1939	1942	1949	rVV3	43414	58478	4.08%	0.303%
64	13.968	2018	2020	2023	rBV3	72370	57700	4.02%	0.299%
65	14.151	2046	2051	2053	rBV2	848743	949402	66.19%	4.913%
66	14.174	2053	2055	2060	rVB	253486	210592	14.68%	1.090%
67	14.257	2067	2069	2071	rBV	55731	40166	2.80%	0.208%
68	15.221	2230	2233	2237	rBV	161512	260156	18.14%	1.346%
69	15.609	2296	2299	2305	rVB	158650	202501	14.12%	1.048%
70	15.680	2306	2311	2314	rBV2	464794	580954	40.50%	3.007%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
Operator : JU/SJ
Sample : J5200-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102318-B

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

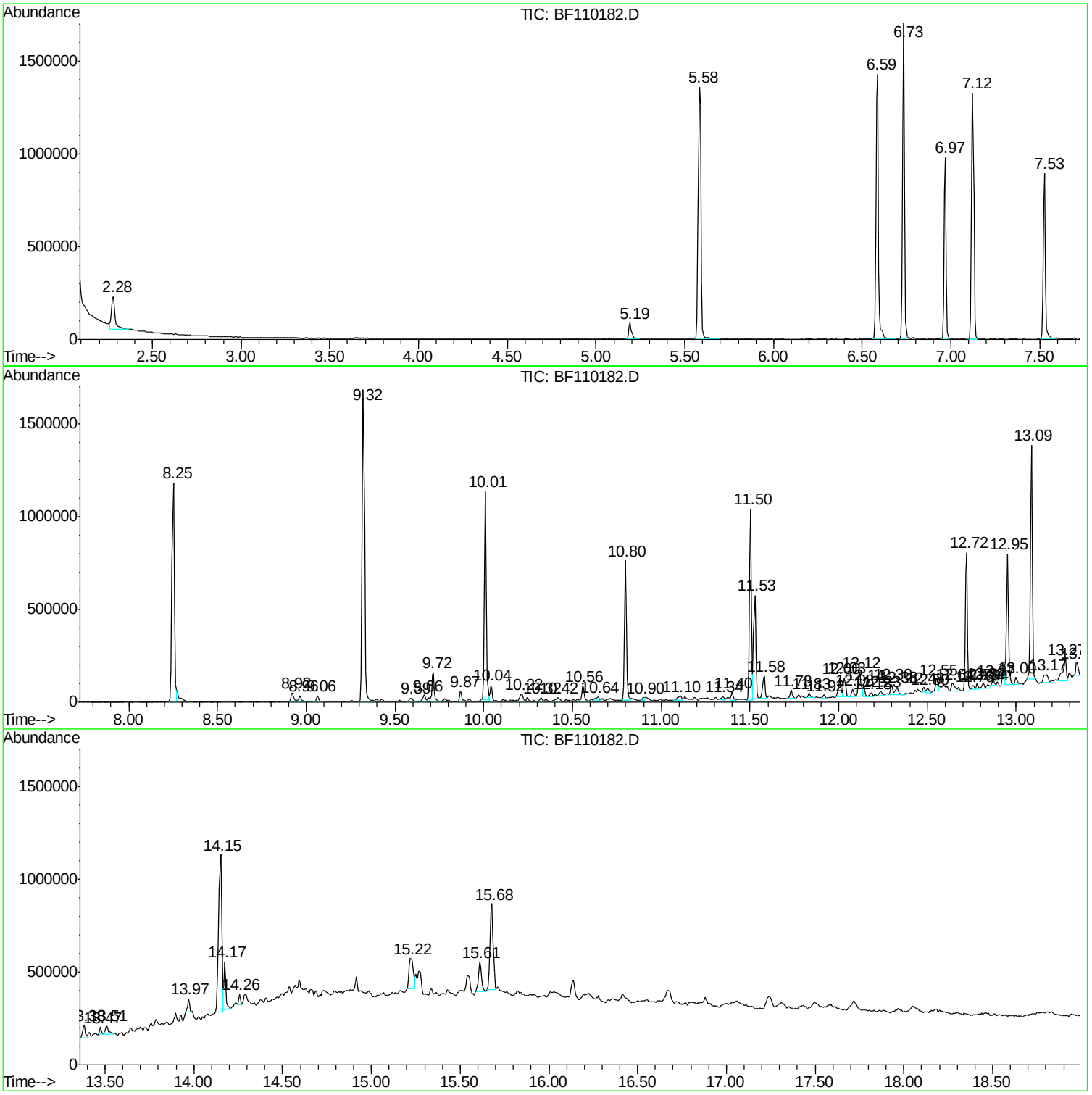
Sum of corrected areas: 19322814

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
Operator : JU/SJ
Sample : J5200-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
Operator : JU/SJ
Sample : J5200-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

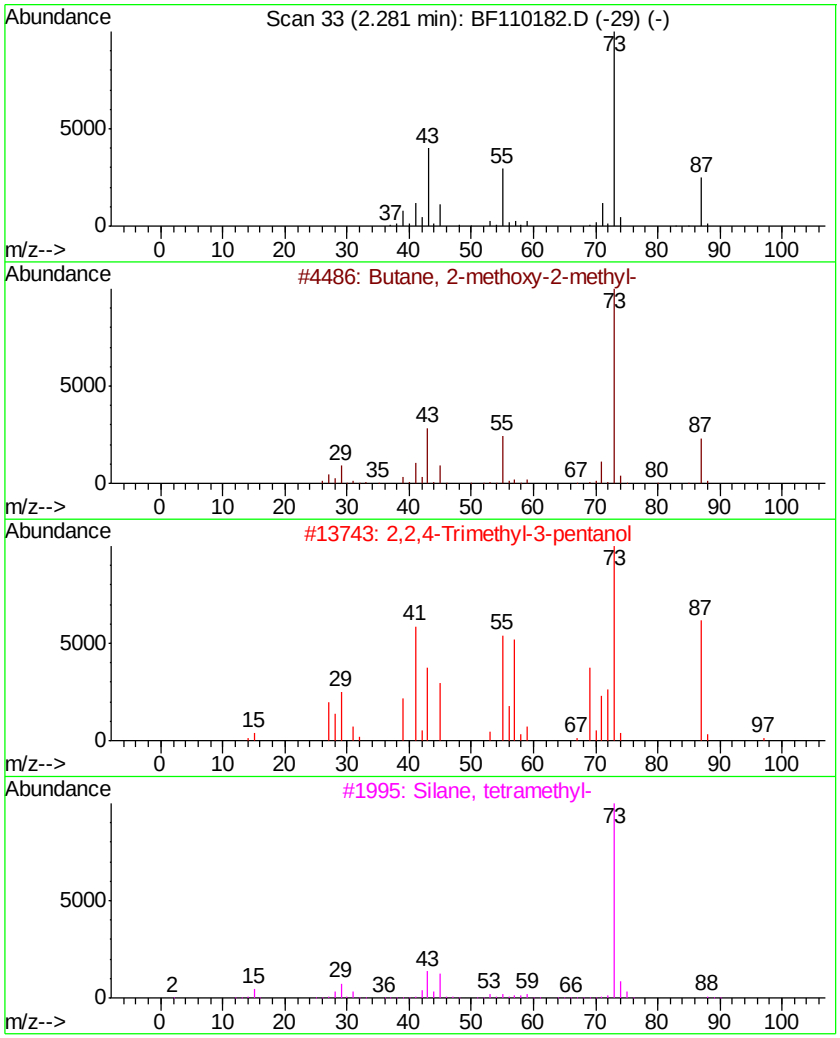
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

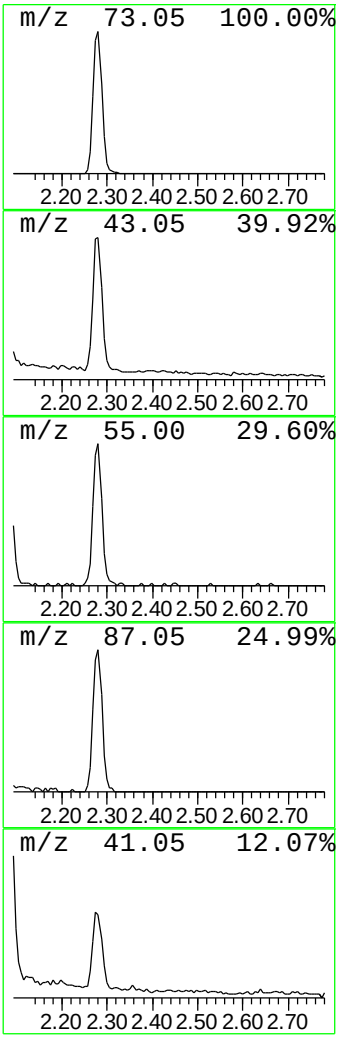
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.28	6.66 ng	272736	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
Operator : JU/SJ
Sample : J5200-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

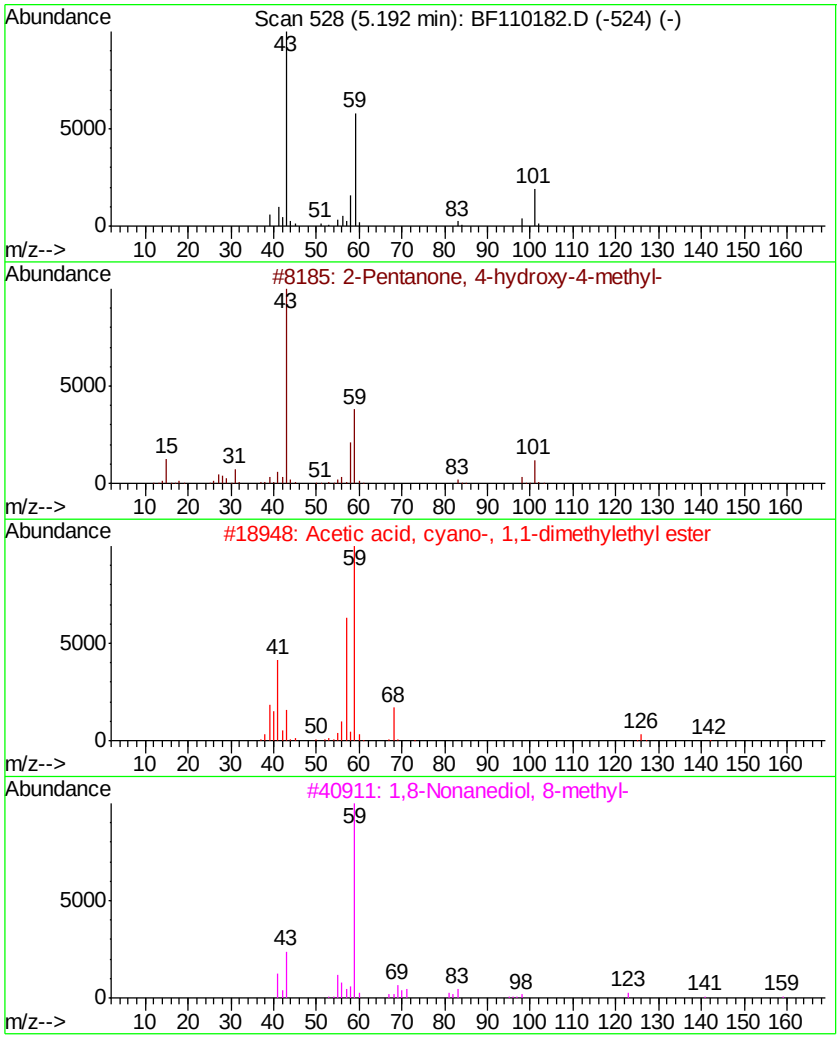
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

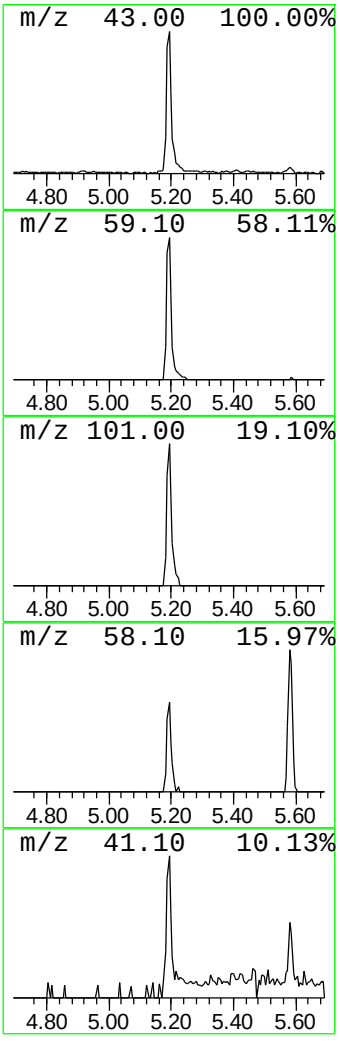
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	2.28 ng	93249	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	17
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
Operator : JU/SJ
Sample : J5200-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

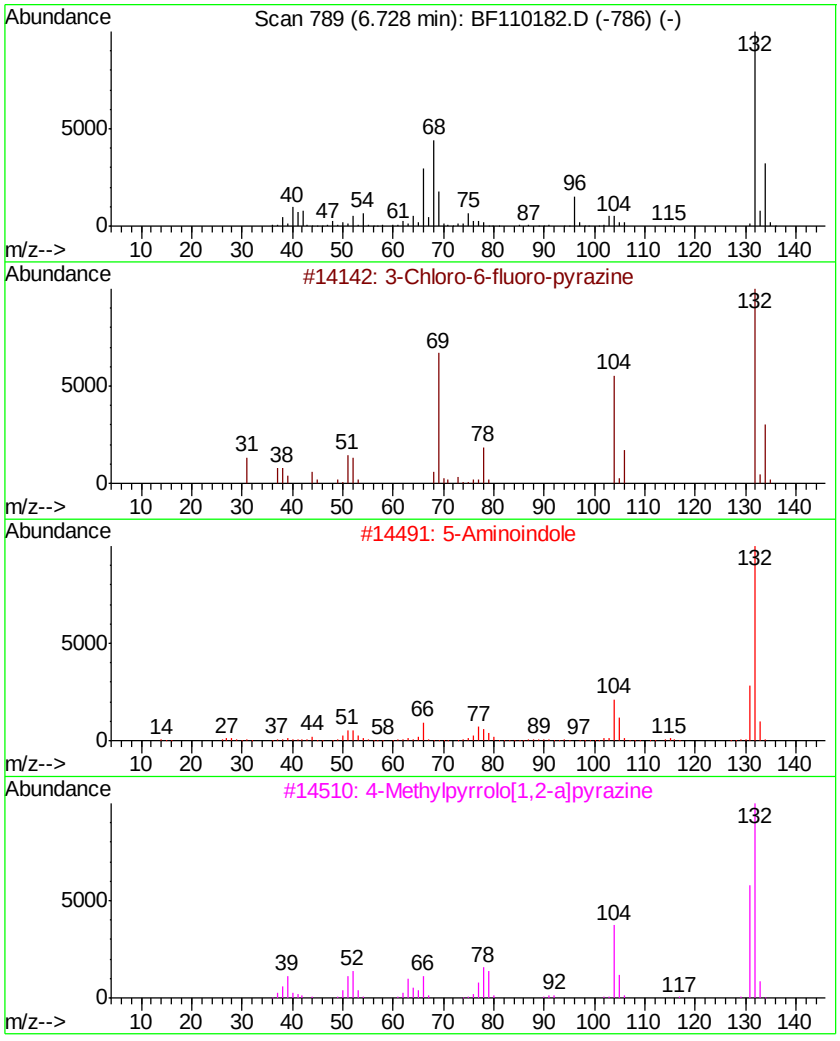
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

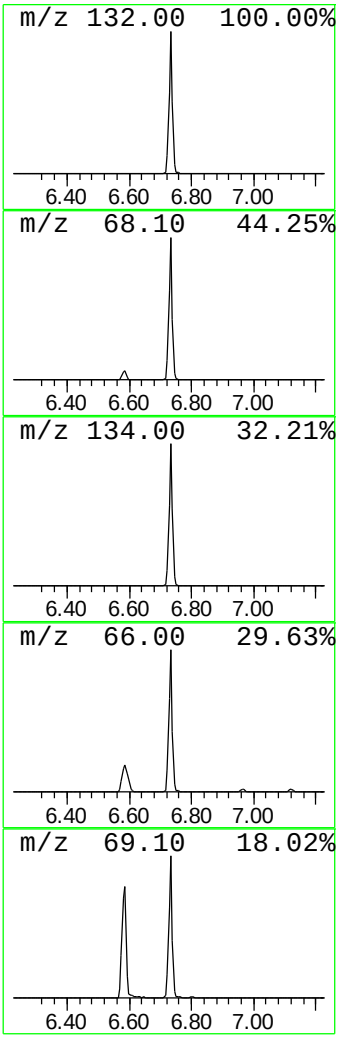
****

Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	33.54 ng	1373270	1,4-Dichlorobenzene-d4	6.97

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	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
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Misc :
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Instrument : BNA_F
ClientSampleId : OR-02-102318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

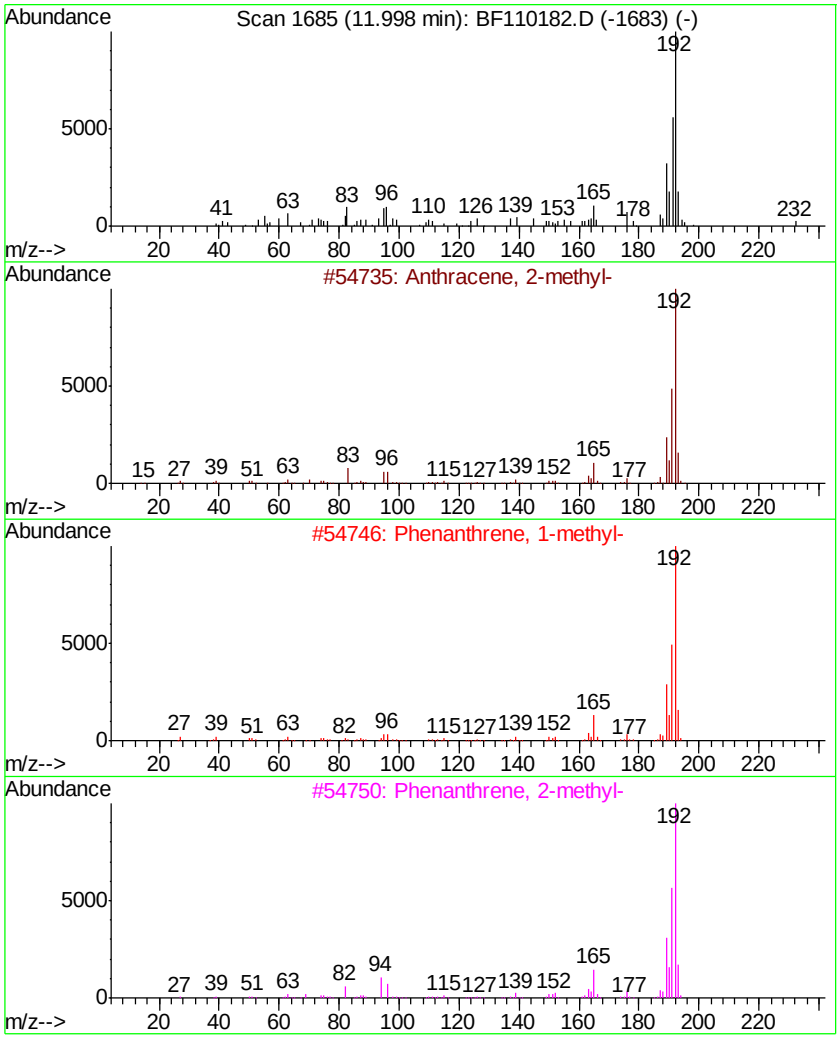
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

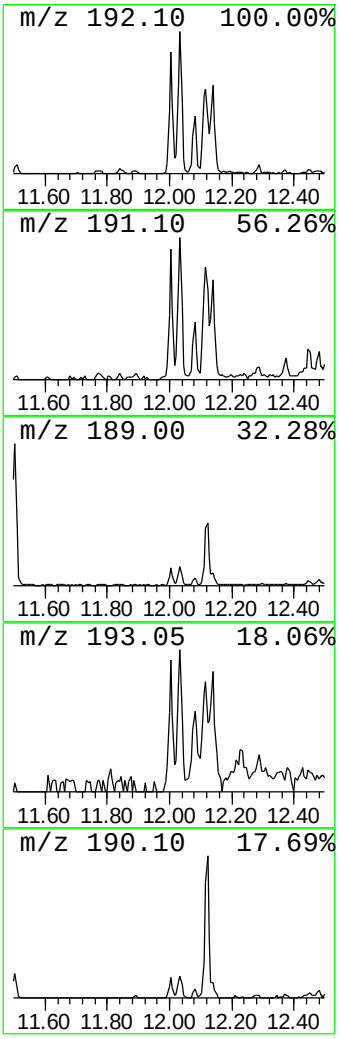
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.24 ng	100112	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
Operator : JU/SJ
Sample : J5200-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

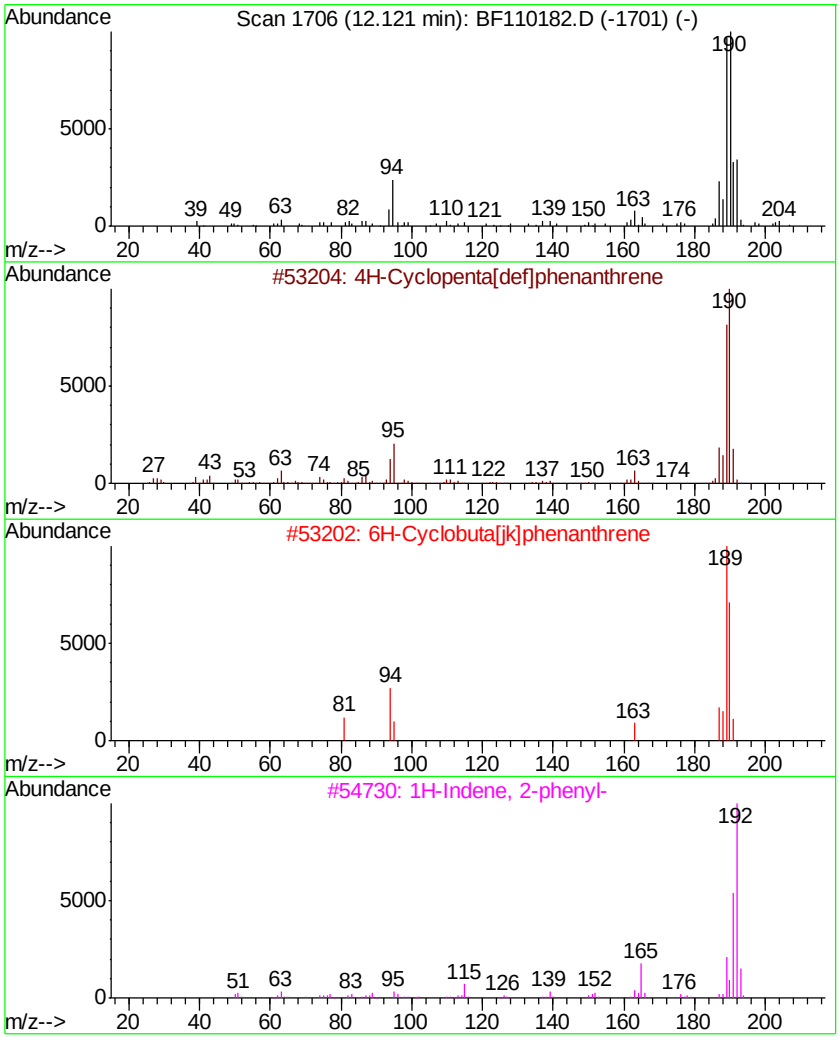
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

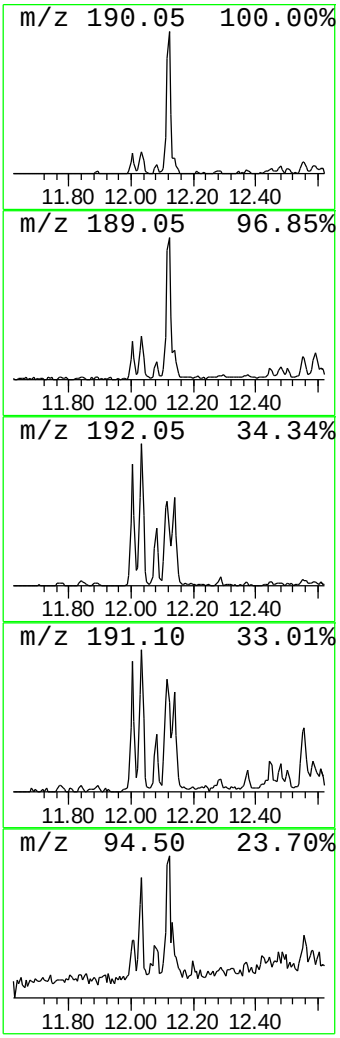
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.47 ng	154844	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
Operator : JU/SJ
Sample : J5200-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

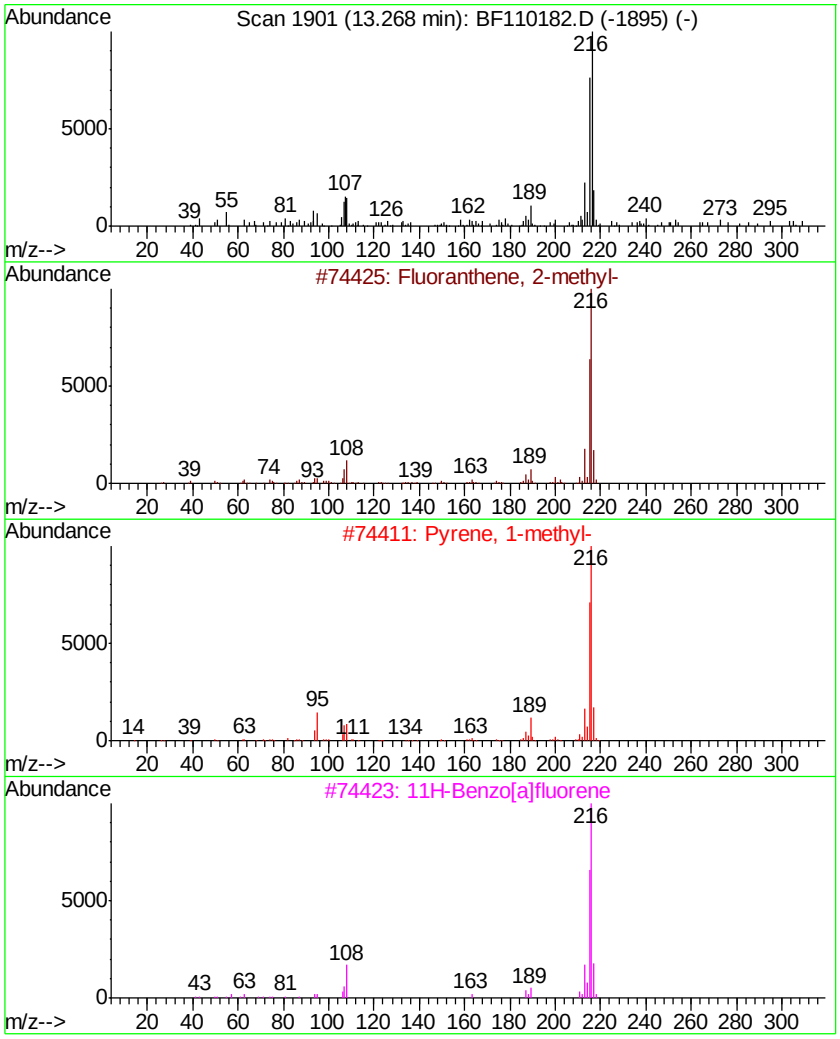
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

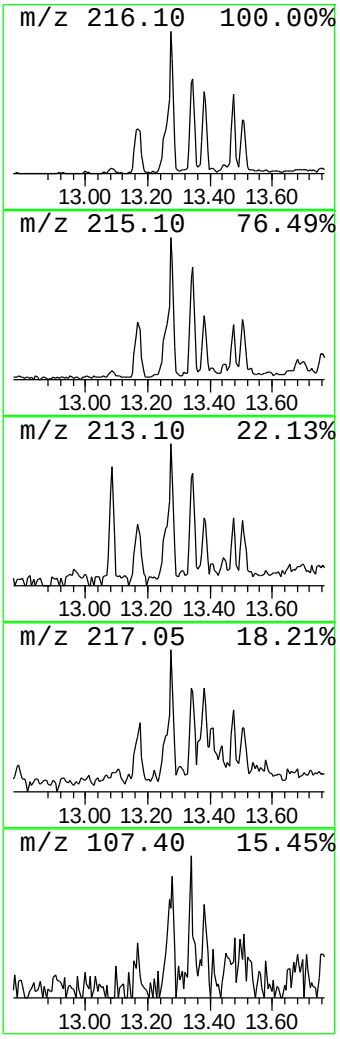
****

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.64 ng	172624	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102518\
Data File : BF110182.D
Acq On : 26 Oct 2018 1:13
Operator : JU/SJ
Sample : J5200-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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
Butane, 2-methoxy...	2.28	6.7	ng	272736	1	6.97	818965	20.0
2-Pentanone, 4-hy...	5.19	2.3	ng	93249	1	6.97	818965	20.0
unknown6.73	6.73	33.5	ng	1373270	1	6.97	818965	20.0
Anthracene, 2-met...	12.00	2.2	ng	100112	4	11.50	891928	20.0
4H-Cyclopenta[def...	12.12	3.5	ng	154844	4	11.50	891928	20.0
Fluoranthene, 2-m...	13.27	3.6	ng	172624	5	14.15	949402	20.0