

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
 Data File : BF110981.D
 Acq On : 26 Nov 2018 23:19
 Operator : JU/SJ
 Sample : J6028-04 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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-BF112618.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	2.205	15	20	33	rVB	42371	62201	7.02%	0.553%
2	5.169	521	524	533	rBV	15506	26872	3.03%	0.239%
3	5.557	587	590	616	rBV	641072	802484	90.59%	7.132%
4	6.563	758	761	782	rBV	620146	885865	100.00%	7.873%
5	6.710	782	786	802	rVB	901991	872631	98.51%	7.755%
6	6.940	821	825	835	rBV	328151	330918	37.36%	2.941%
7	7.093	847	851	871	rVB	631849	591674	66.79%	5.258%
8	7.504	918	921	943	rBV	355397	464742	52.46%	4.130%
9	8.222	1040	1043	1065	rBV	327860	385779	43.55%	3.428%
10	9.292	1221	1225	1234	rBV	716372	678220	76.56%	6.027%
11	9.692	1291	1293	1299	rVB	20544	19098	2.16%	0.170%
12	9.981	1338	1342	1346	rBV	410216	371044	41.88%	3.297%
13	10.016	1346	1348	1354	rVB	40036	38349	4.33%	0.341%
14	10.198	1374	1379	1390	rVB3	12357	21687	2.45%	0.193%
15	10.386	1405	1411	1415	rBV	13208	13523	1.53%	0.120%
16	10.533	1430	1436	1442	rBV	31476	34237	3.86%	0.304%
17	10.598	1442	1447	1449	rBV2	6799	10038	1.13%	0.089%
18	10.692	1460	1463	1467	rVB	9903	9285	1.05%	0.083%
19	10.775	1474	1477	1488	rBV	378531	435346	49.14%	3.869%
20	11.086	1525	1530	1533	rBV	9093	10475	1.18%	0.093%
21	11.298	1562	1566	1568	rBV	11520	12802	1.45%	0.114%
22	11.375	1576	1579	1583	rVB	20639	18242	2.06%	0.162%
23	11.480	1593	1597	1599	rBV	379731	401266	45.30%	3.566%
24	11.504	1599	1601	1607	rVV	453957	375916	42.43%	3.341%
25	11.557	1607	1610	1617	rVB	129136	125676	14.19%	1.117%
26	11.722	1634	1638	1643	rBV5	14873	22154	2.50%	0.197%
27	11.980	1679	1682	1685	rBV2	68252	69107	7.80%	0.614%
28	12.010	1685	1687	1693	rVB2	58062	56982	6.43%	0.506%
29	12.057	1693	1695	1698	rBV	23649	22875	2.58%	0.203%
30	12.098	1698	1702	1704	rVV	76261	84519	9.54%	0.751%
31	12.116	1704	1705	1708	rVB	29984	22089	2.49%	0.196%
32	12.275	1729	1732	1737	rBV	38869	34830	3.93%	0.310%
33	12.322	1737	1740	1747	rVB2	23623	33275	3.76%	0.296%
34	12.422	1755	1757	1760	rBV4	10792	9641	1.09%	0.086%

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35	12.480	1765	1767	1772	rVB5	10029	9301	1.05%	0.083%
36	12.527	1772	1775	1778	rBV	30676	32413	3.66%	0.288%
37	12.575	1780	1783	1788	rVB5	11610	18950	2.14%	0.168%
38	12.633	1788	1793	1797	rBV2	33768	44685	5.04%	0.397%
39	12.698	1801	1804	1808	rBV	676662	641365	72.40%	5.700%
40	12.763	1812	1815	1819	rVV3	16081	24031	2.71%	0.214%
41	12.851	1826	1830	1837	rBV2	34370	58492	6.60%	0.520%
42	12.910	1837	1840	1841	rVV	125215	113007	12.76%	1.004%
43	12.933	1841	1844	1849	rVV	578565	529905	59.82%	4.709%
44	12.980	1849	1852	1855	rVB	25272	26429	2.98%	0.235%
45	13.057	1861	1865	1869	rBV	720374	599740	67.70%	5.330%
46	13.104	1871	1873	1876	rVV	20301	19869	2.24%	0.177%
47	13.145	1876	1880	1885	rVV3	33234	59384	6.70%	0.528%
48	13.192	1886	1888	1891	rVV2	14276	10583	1.19%	0.094%
49	13.257	1897	1899	1904	rVB	64942	64336	7.26%	0.572%
50	13.322	1908	1910	1913	rBV2	33717	35021	3.95%	0.311%
51	13.363	1913	1917	1921	rBV2	35715	54863	6.19%	0.488%
52	13.463	1931	1934	1936	rBV	19528	25010	2.82%	0.222%
53	13.492	1936	1939	1942	rVV2	29028	31991	3.61%	0.284%
54	13.886	2004	2006	2008	rBV	36291	35808	4.04%	0.318%
55	13.933	2012	2014	2016	rBV2	42553	40566	4.58%	0.361%
56	14.133	2043	2048	2051	rBV2	353203	507434	57.28%	4.509%
57	14.163	2051	2053	2056	rVB	170761	149221	16.84%	1.326%
58	14.245	2064	2067	2070	rBV	61054	60372	6.82%	0.537%
59	15.216	2229	2232	2236	rBV	155171	228618	25.81%	2.032%
60	15.539	2285	2287	2295	rBV	58363	94837	10.71%	0.843%
61	15.610	2296	2299	2306	rVB	137453	197412	22.28%	1.754%
62	15.674	2307	2310	2314	rBV	140996	185094	20.89%	1.645%

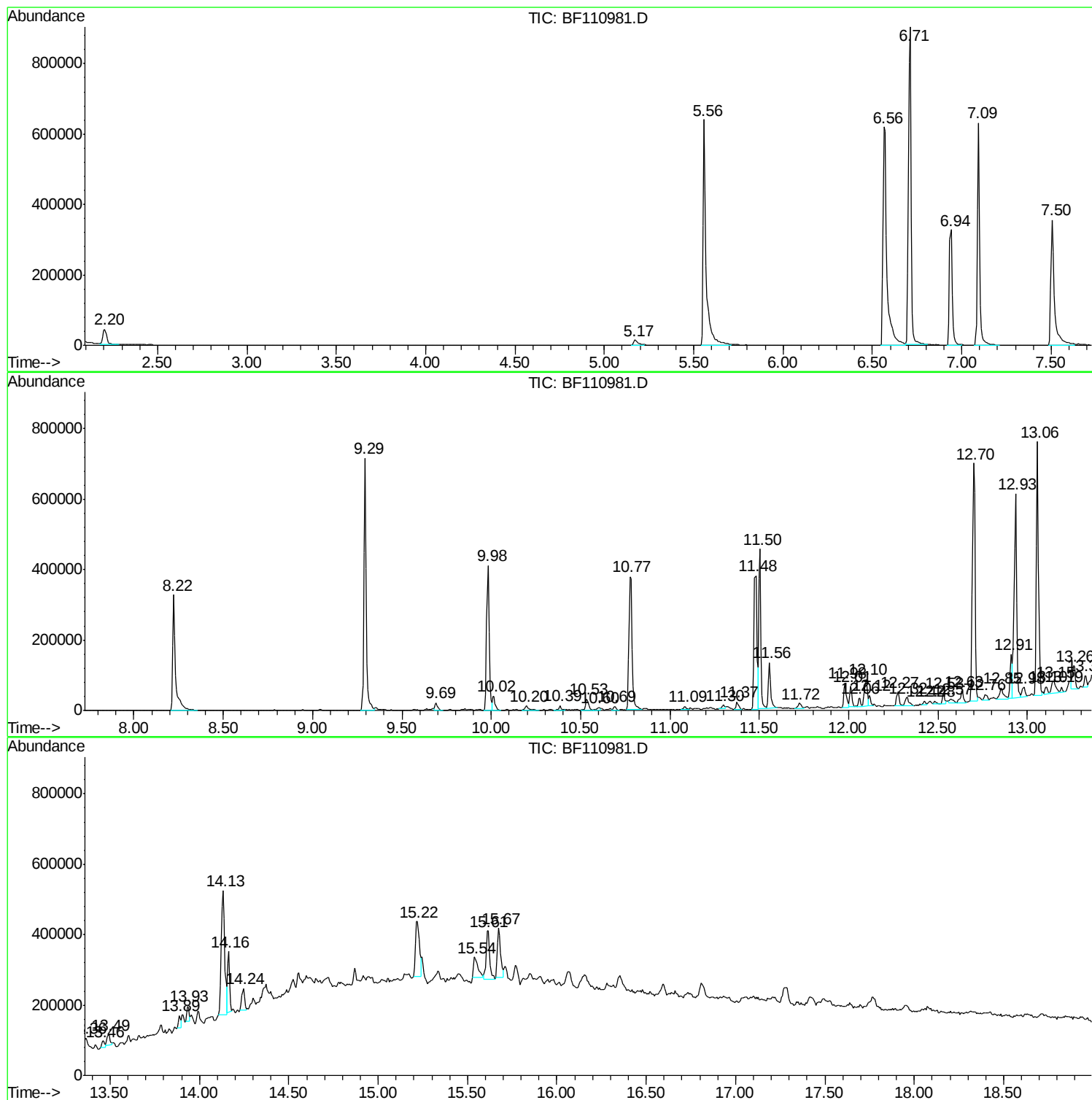
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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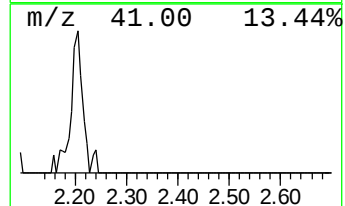
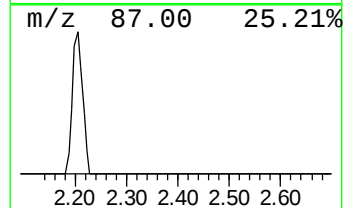
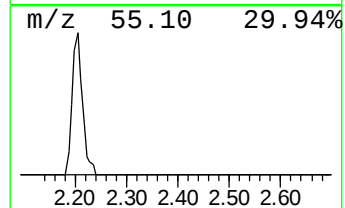
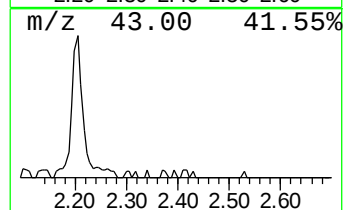
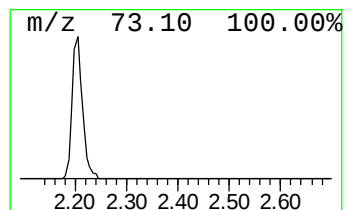
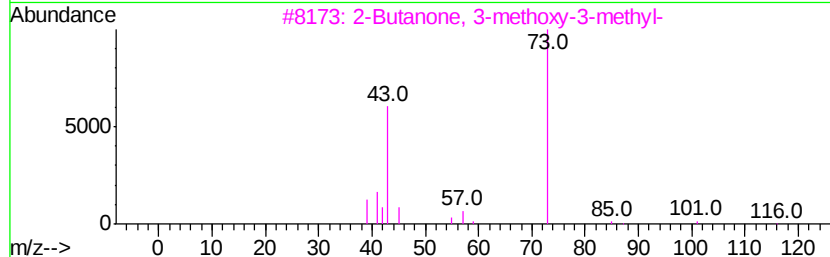
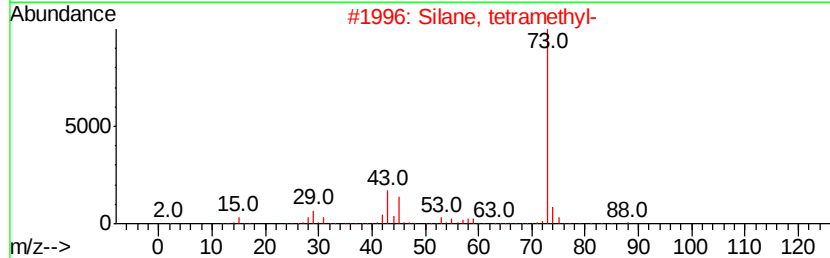
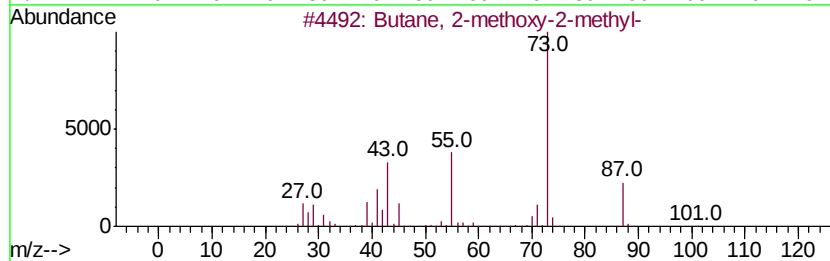
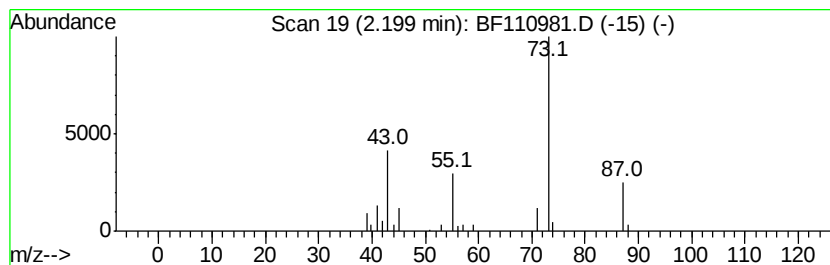
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.20	3.76 ng	62201	1,4-Dichlorobenzene-d4	6.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2		Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
3		2-Butanone, 3-methoxy-3-methyl-	116	C6H12O2	036687-98-6	9
4		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5		2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9



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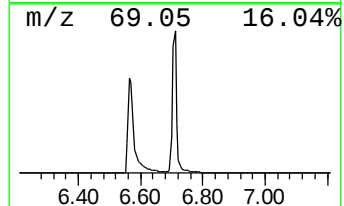
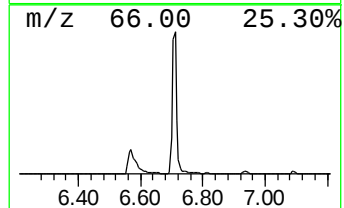
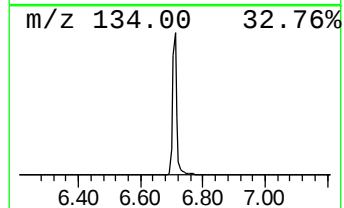
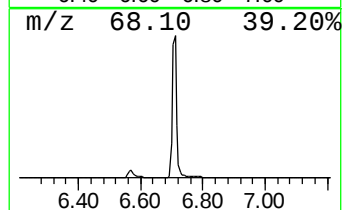
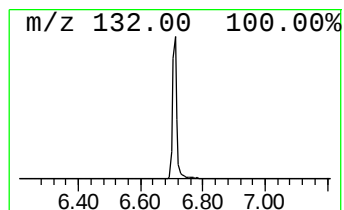
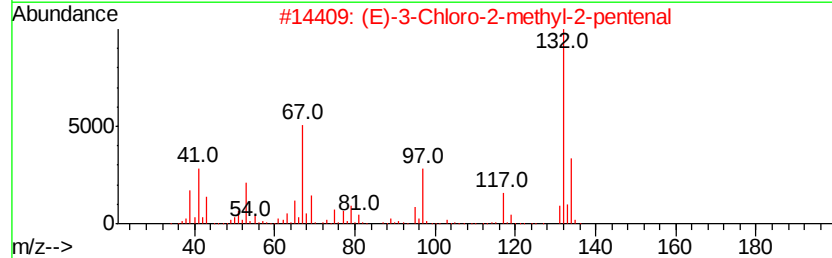
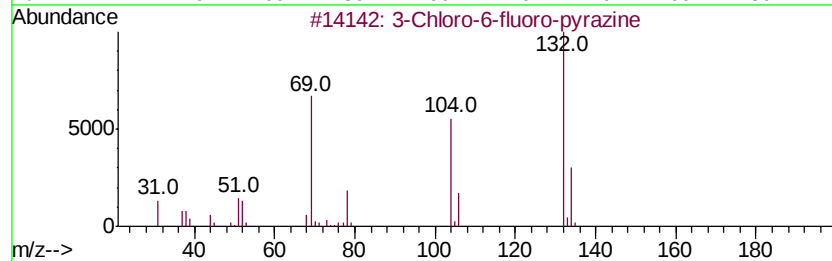
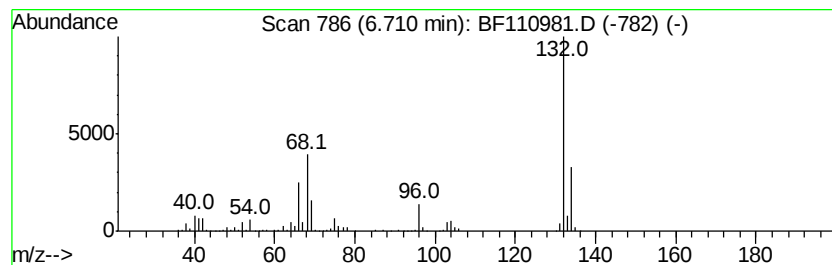
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	52.74 ng	872631	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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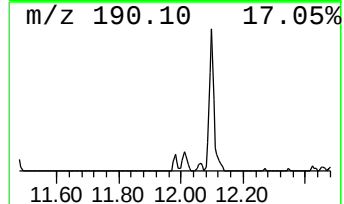
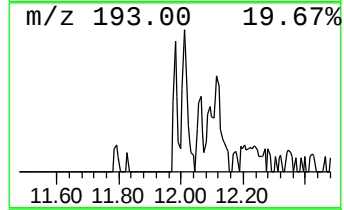
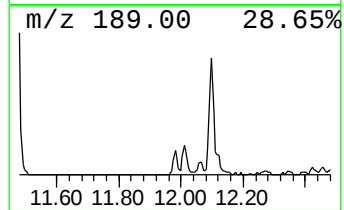
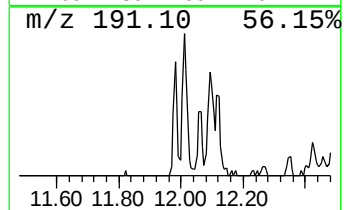
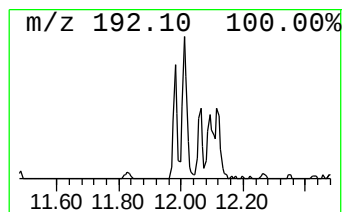
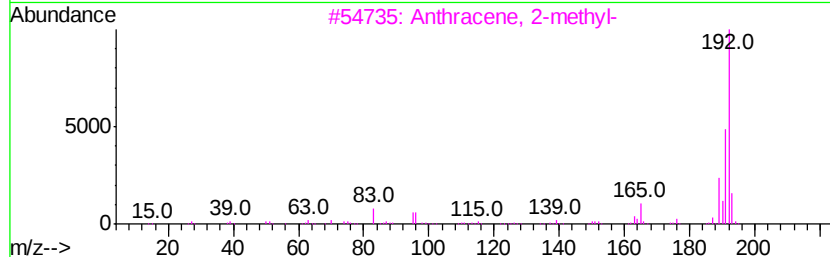
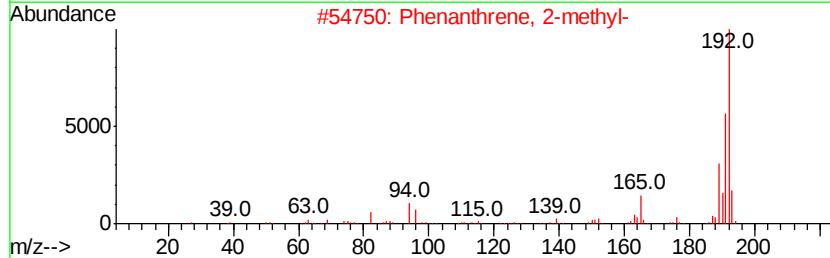
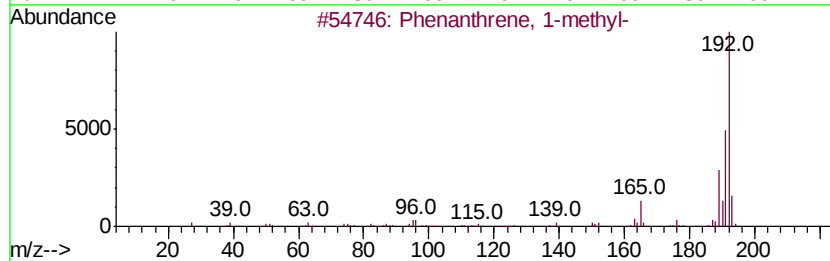
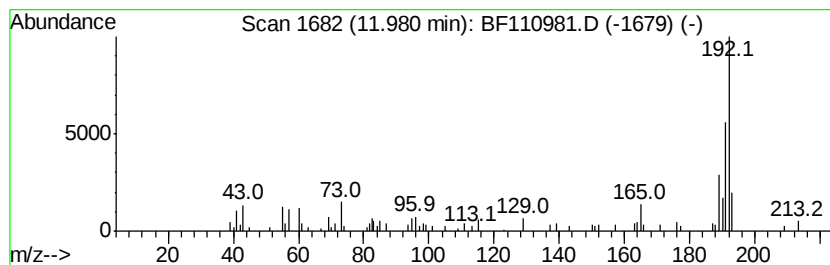
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.44 ng	69107	Phenanthrene-d10	11.48

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89



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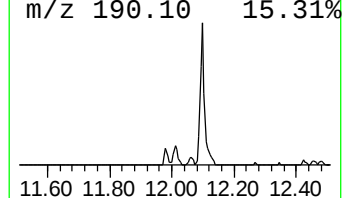
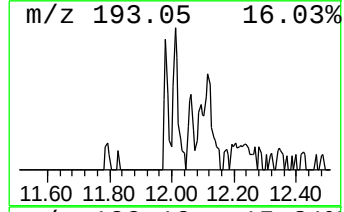
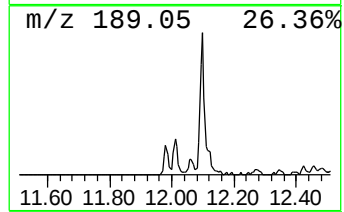
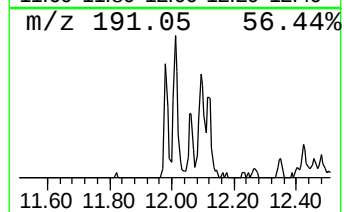
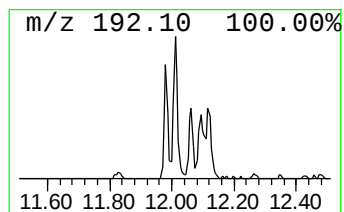
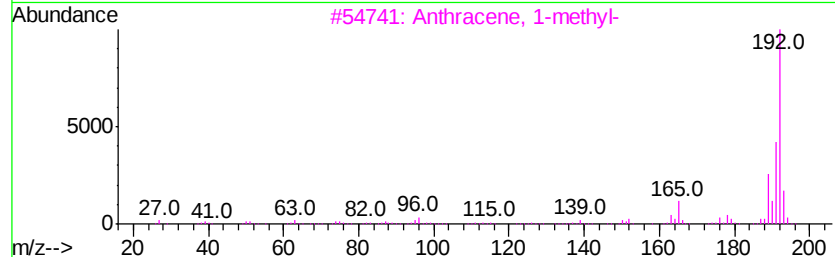
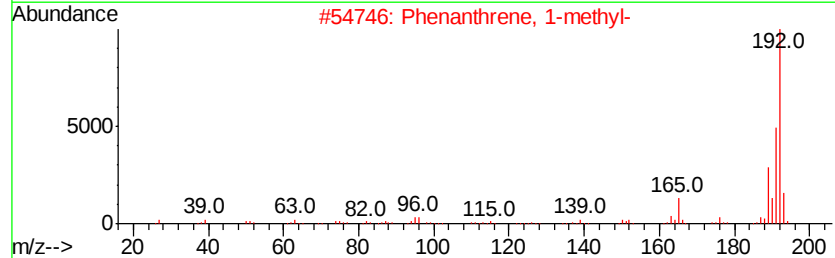
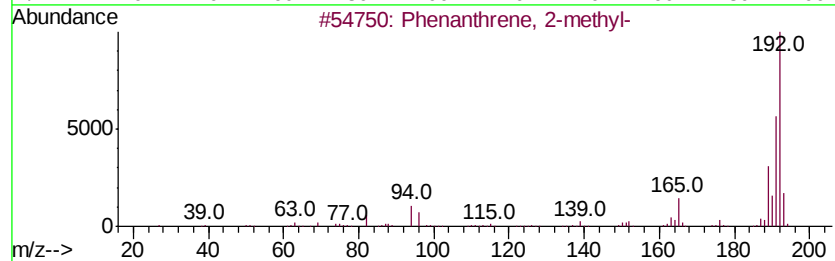
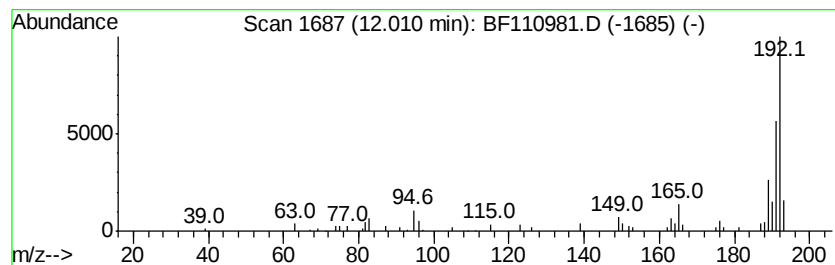
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.84 ng	56982	Phenanthrene-d10	11.48

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	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



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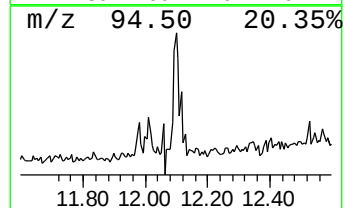
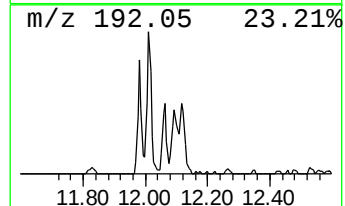
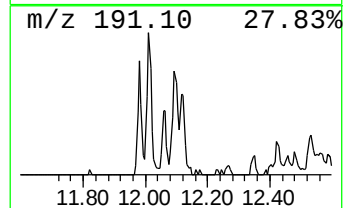
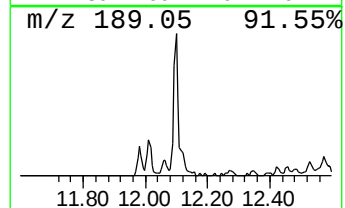
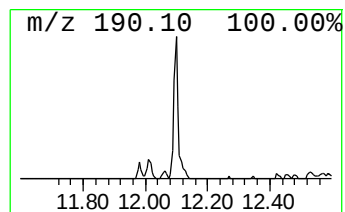
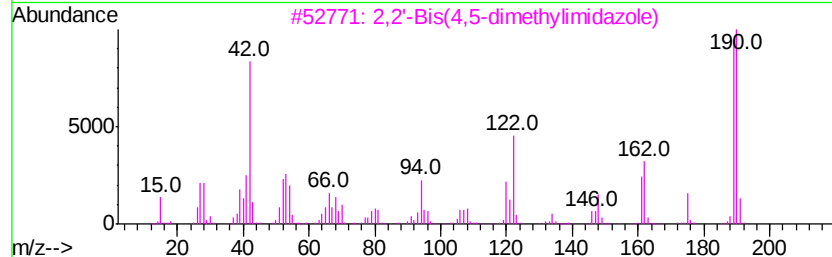
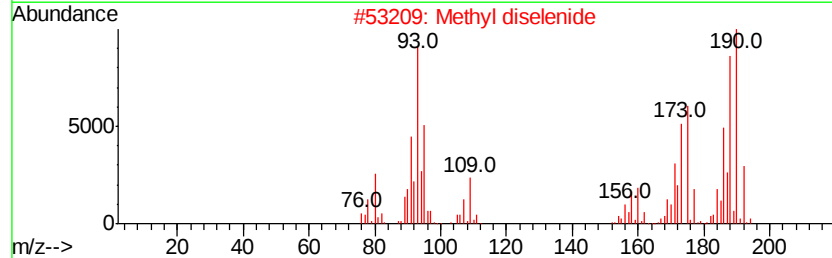
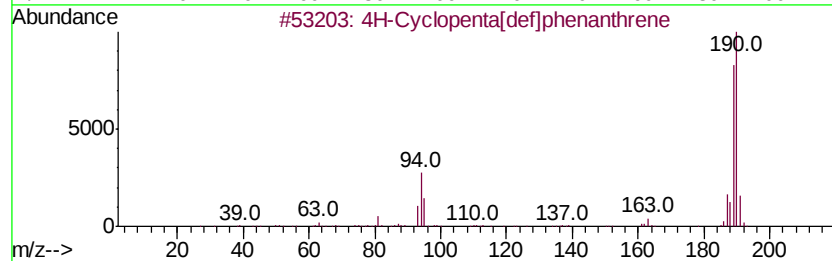
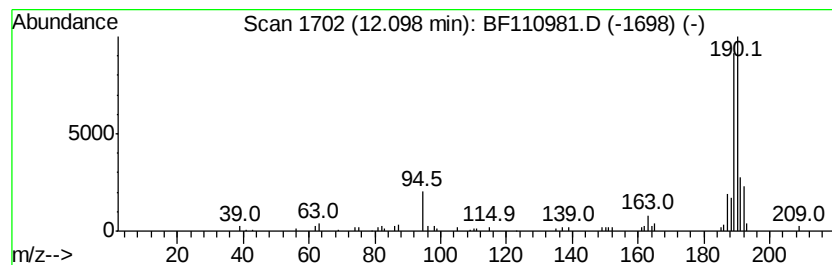
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.10	4.21 ng	84519	Phenanthrene-d10	11.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	1-Aminocyclopentanecarboxylic ac...	431	C23H42ClN04	1000329-17-4	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110981.D
Acq On : 26 Nov 2018 23:19
Operator : JU/SJ
Sample : J6028-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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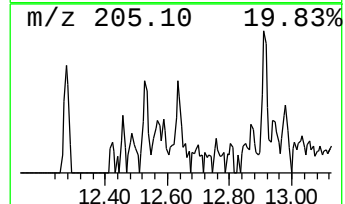
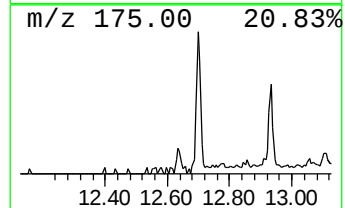
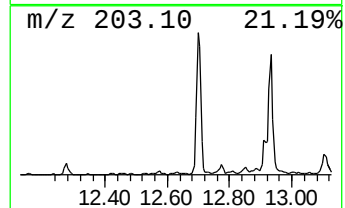
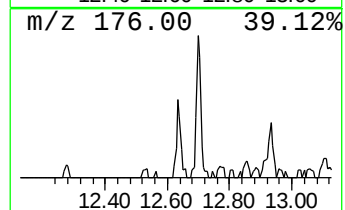
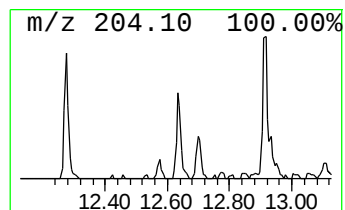
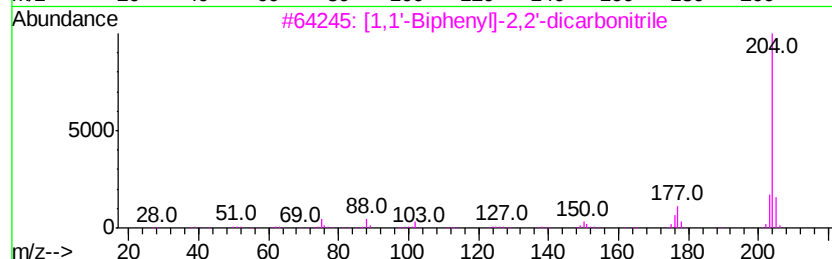
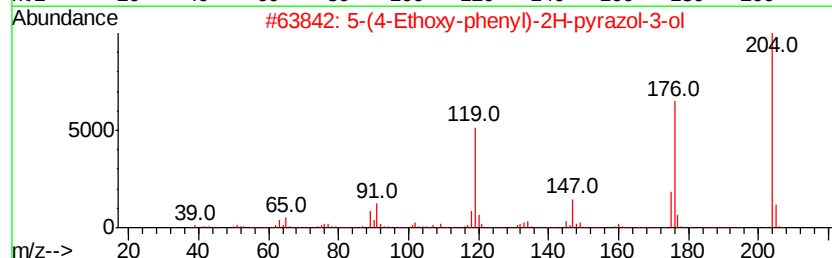
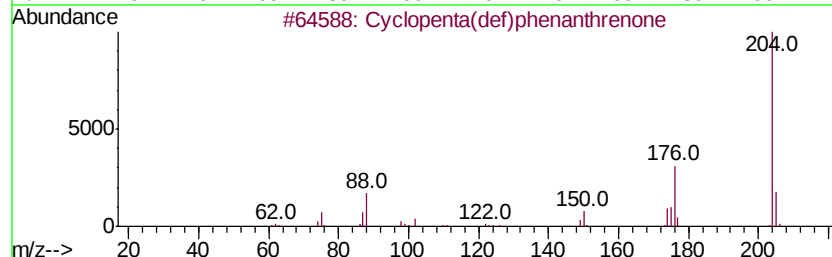
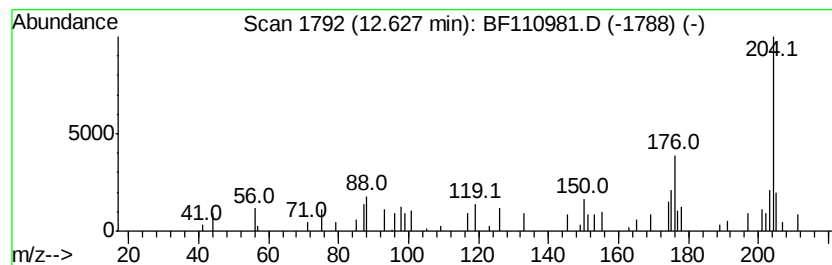
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.23 ng	44685	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2		5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110981.D
Acq On : 26 Nov 2018 23:19
Operator : JU/SJ
Sample : J6028-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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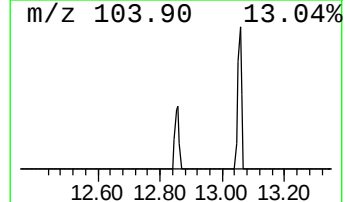
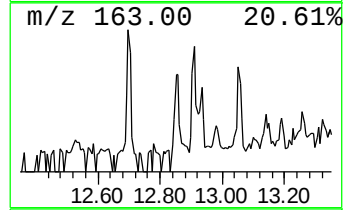
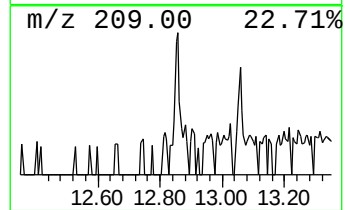
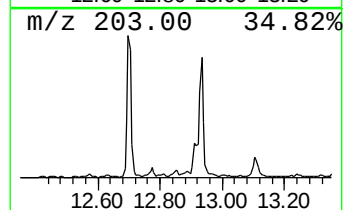
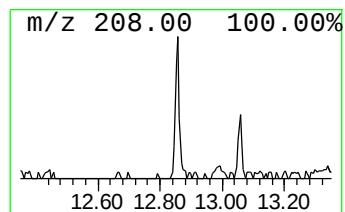
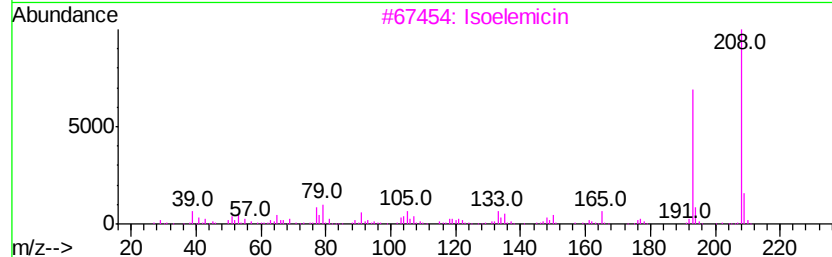
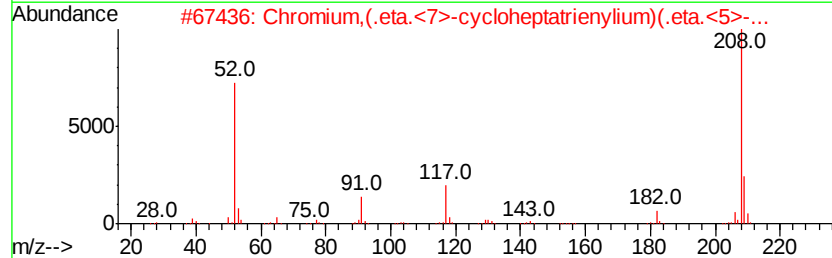
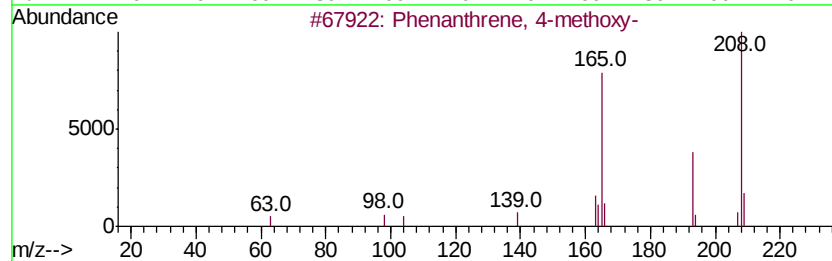
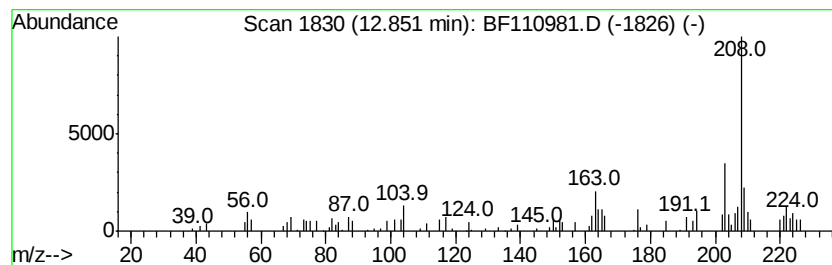
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 4-methoxy- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	2.31 ng	58492	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methoxy-	208	C15H12O	015638-06-9	50
2		Chromium,(.eta.<7>-cycloheptatri...	208	C12H12Cr	012093-81-1	47
3		Isoelemicin	208	C12H16O3	000487-12-7	43
4		1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	43
5		Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110981.D
Acq On : 26 Nov 2018 23:19
Operator : JU/SJ
Sample : J6028-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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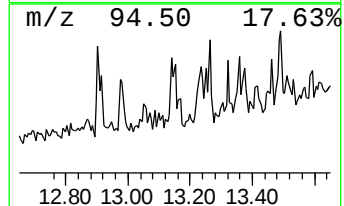
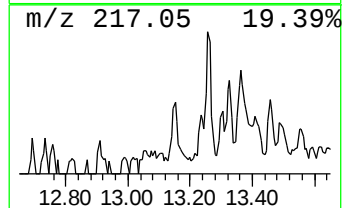
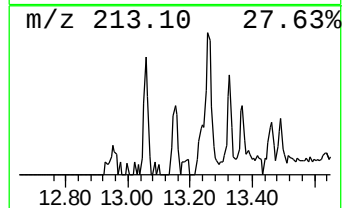
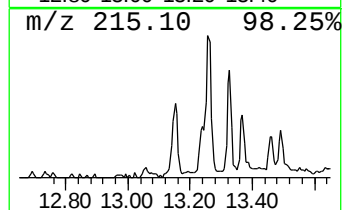
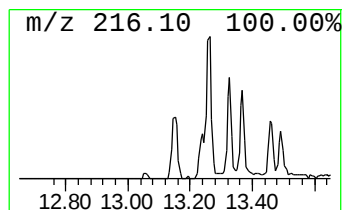
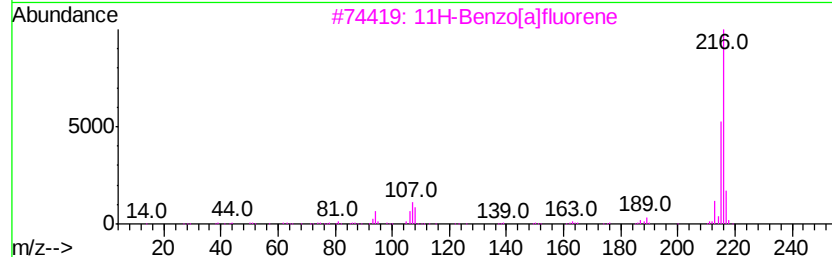
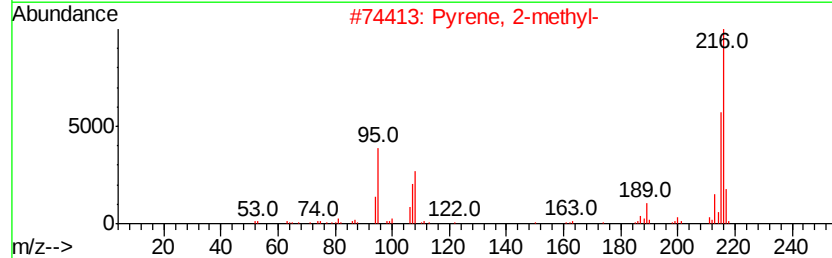
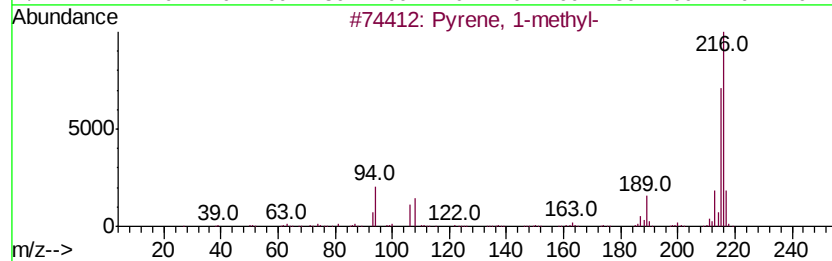
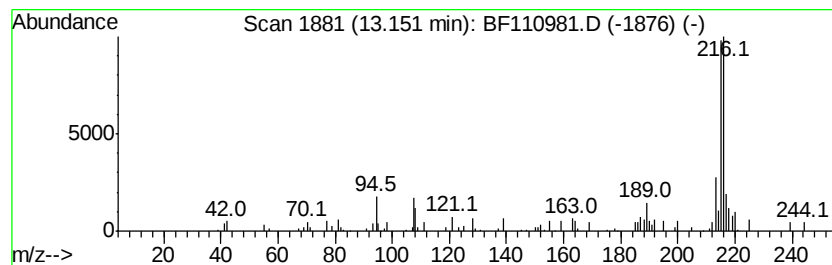
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.34 ng	59384	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	52
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	52
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110981.D
Acq On : 26 Nov 2018 23:19
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Sample : J6028-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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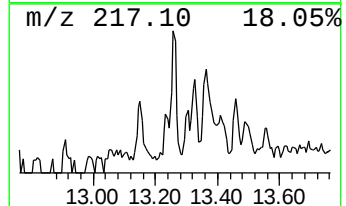
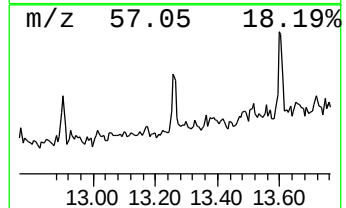
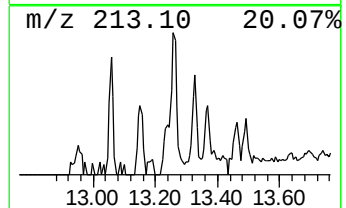
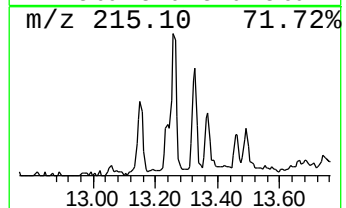
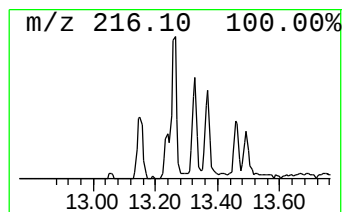
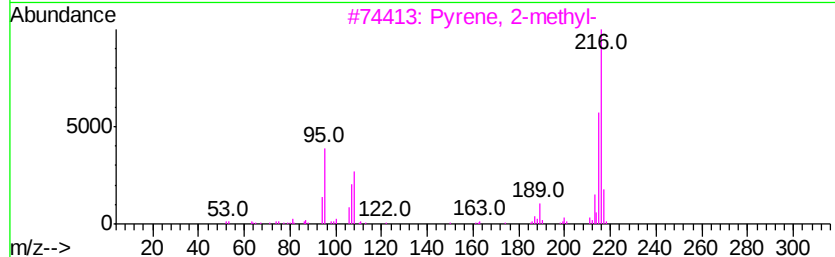
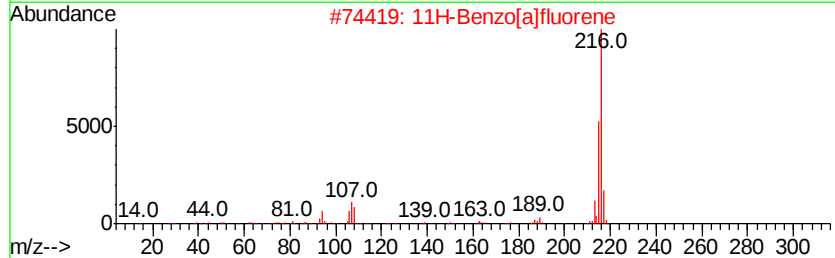
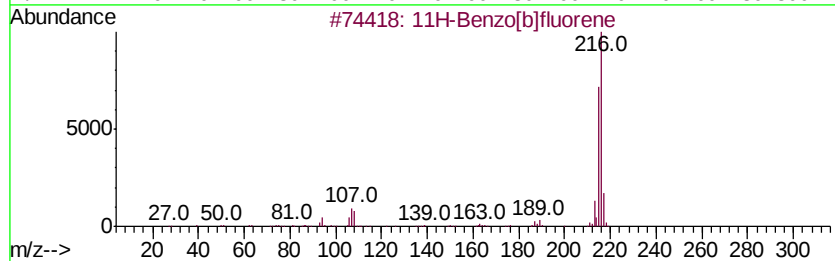
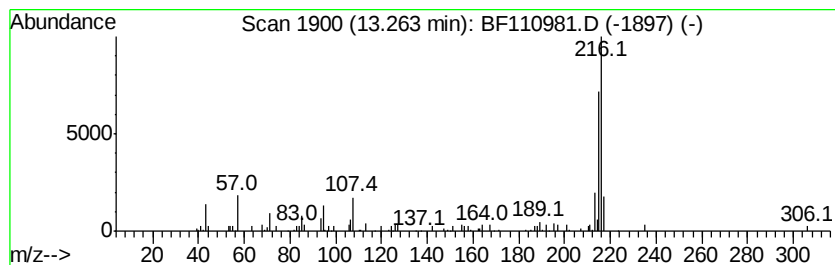
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.54 ng	64336	Chrysene-d12	14.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3			Pvrene, 2-methyl-	216	C17H12	003442-78-2	87
4			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
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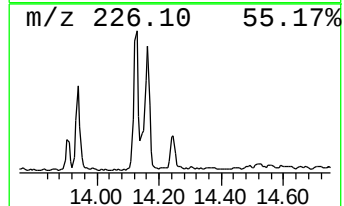
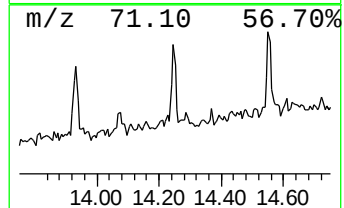
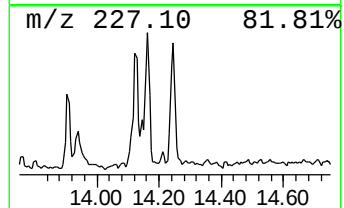
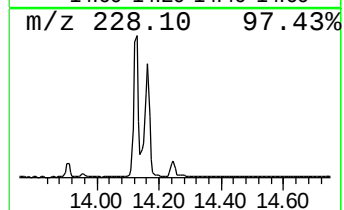
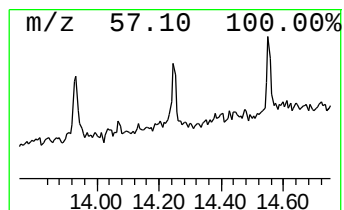
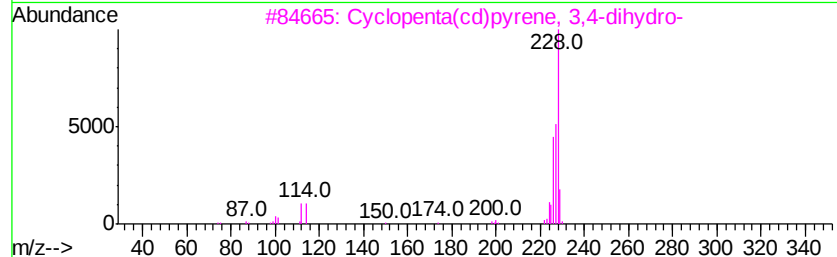
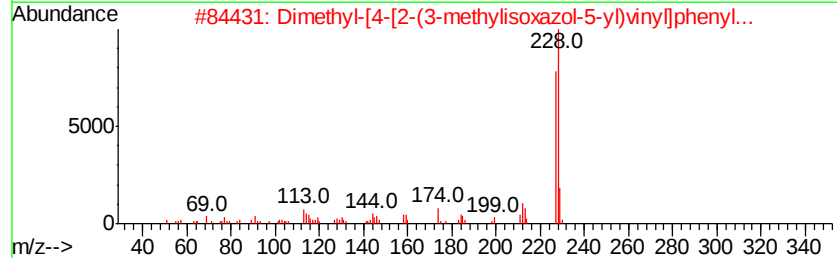
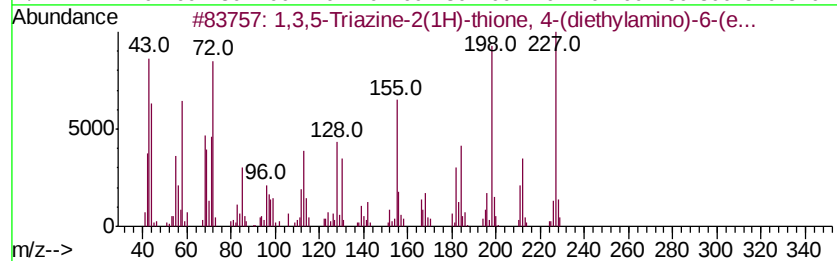
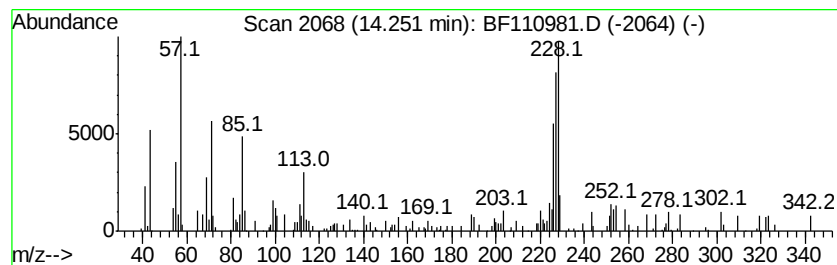
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1,3,5-Triazine-2(1H)-thione... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	2.38 ng	60372	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	83
2		Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
3		Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
4		Benzo[c]phenanthrene	228	C18H12	000195-19-7	41
5		Phenol, 4-[[[4-methoxyphenyl]met...	227	C14H13NO2	003230-39-5	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
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Acq On : 26 Nov 2018 23:19
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Sample : J6028-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
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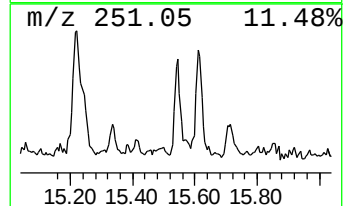
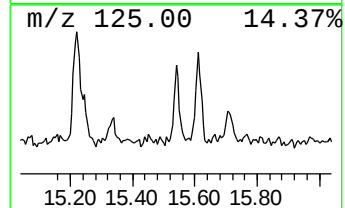
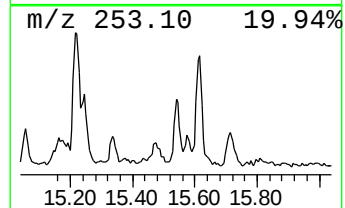
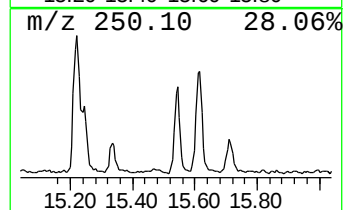
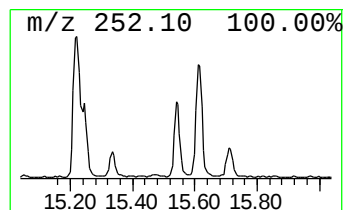
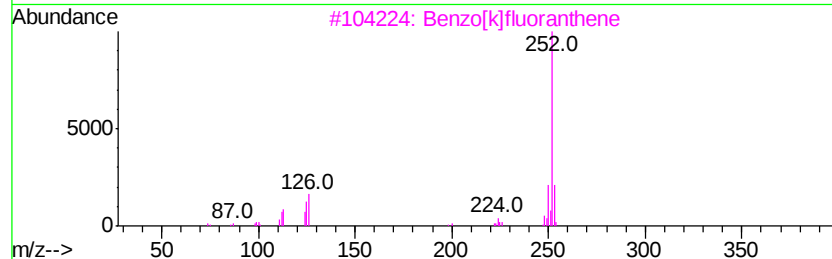
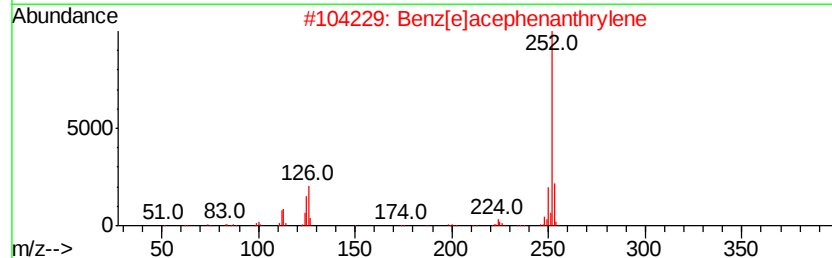
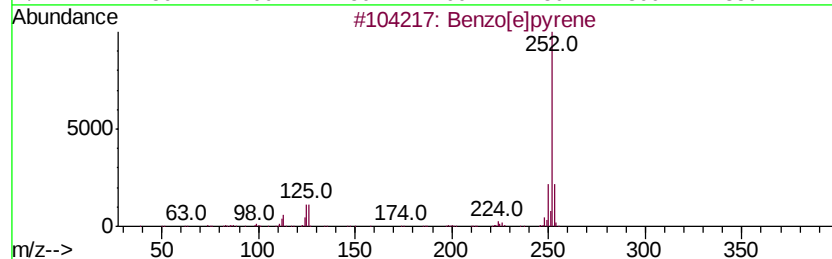
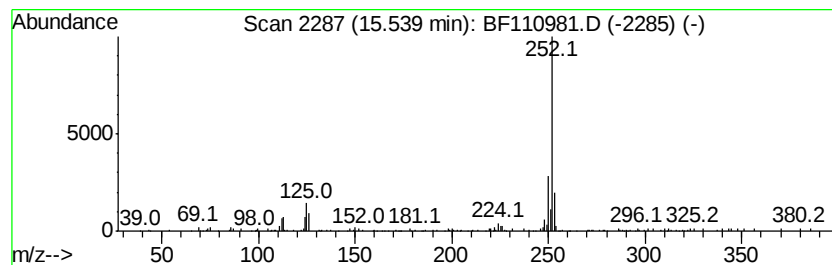
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	10.25 ng	94837	Perylene-d12	15.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	83
5		Benzo[a]pyrene	252	C20H12	000050-32-8	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112618\
Data File : BF110981.D
Acq On : 26 Nov 2018 23:19
Operator : JU/SJ
Sample : J6028-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	2.20	3.8	ng	62201	1	6.94	330918	20.0
unknown6.71	6.71	52.7	ng	872631	1	6.94	330918	20.0
Phenanthrene, 1-m...	11.98	3.4	ng	69107	4	11.48	401266	20.0
Phenanthrene, 2-m...	12.01	2.8	ng	56982	4	11.48	401266	20.0
4H-Cyclopenta[def...	12.10	4.2	ng	84519	4	11.48	401266	20.0
Cyclopenta(def)ph...	12.63	2.2	ng	44685	4	11.48	401266	20.0
Phenanthrene, 4-m...	12.85	2.3	ng	58492	5	14.13	507434	20.0
Pyrene, 1-methyl-	13.15	2.3	ng	59384	5	14.13	507434	20.0
11H-Benzo[b]fluorene	13.26	2.5	ng	64336	5	14.13	507434	20.0
1,3,5-Triazine-2(...	14.25	2.4	ng	60372	5	14.13	507434	20.0
Benzo[e]pyrene	15.54	10.3	ng	94837	6	15.67	185094	20.0